

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

							Rs.	A.	P.
Approximate earnings for week ending 19th March 1887	...	...	...	...	...	...	7,359	0	0
Corresponding week last year	...	...	...	...	...	...	9,517	0	0
Decrease	...	...	...	...	...	...	2,158	0	0
Receipts from 1st January to 19th March 1887	...	...	...	...	...	...	65,885	0	0
From 1st January to 20th March 1886	...	...	...	...	...	...	79,576	0	0
Decrease	...	...	...	...	...	...	13,691	0	0
Miles open, week ending 19th March 1887	...	...	...	...	...	...	51		
Corresponding week last year	...	...	...	...	...	...	50½		
Increase	...	...	...	...	...	...	½		
Receipts per mile open, week ending 19th March 1887	...	...	...	...	...	...	144	4	8
Corresponding week last year	...	...	...	...	...	...	187	8	8
Decrease	...	...	...	...	...	...	43	4	0

CHIEF OFFICE, DARJEELING, the 28th March 1887.

W. STEVENSON, Secretary, D.-H. Ry.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 13, 1887.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

### CONTENTS.

Page.	Page.
PROCEEDINGS of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations ... ..	661
Tenure of office of Under-Secretary to Government in the Civil Department ... ..	672
Rainfall, Weather, and State and Prospects of the Crore ... ..	675
Statement showing the Quantities of the Principal Staples of traffic imported and exported into Calcutta from the Interior during the month of October 1886 ... ..	675
Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th April 1887 ... ..	677
Meteorological Report of the Province of Bengal for the month of March 1887 ... ..	678
TABLE of Rainfall recorded at stations in Bengal in March 1887 ... ..	686
Meteorological Report of the Province of Bengal for the week ending Friday, the 8th April 1887 ... ..	690
Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th of April 1887 ... ..	693
Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 3rd to 9th April 1887 ... ..	695
Statement showing the results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending 26th March 1887 ... ..	697
East Indian Railway ... ..	700
Weekly Return of Traffic Receipts on Indian Railways ... ..	702

### Proceedings of the Council of the Lieutenant-Governor of Bengal for the purpose of making Laws and Regulations.

*Saturday, the 2nd April, 1887.*

#### Present:

The HON. SIR RIVERS THOMPSON, K.C.S.I., Lieut.-Govr. of Bengal, *President*.  
 The HON. G. C. PAUL, C.I.E., Advocate-General.  
 The HON. C. P. L. MACAULAY, C.I.E.  
 The HON. T. T. ALLEN.  
 The HON. SIR HENRY HARRISON.  
 The HON. SIR ALFRED CROFT, C.I.E.  
 The HON. MOULVIE ABDUL JUBBAR.  
 The HON. G. IRVING.  
 The HON. ANUNDO MOHUN BOSE.  
 The HON. BABU KALLY NATH MITTER.  
 The HON. DR. MAHENDRA LAL SIRCAR, C.I.E.

#### CALCUTTA PORT TRUST AMENDMENT BILL.

The HON. MR. MACAULAY, in moving that the Report of the Select Committee on the Bill to amend the Calcutta Port Improvement Act, 1870, be taken into consideration in order to the settlement of the clauses of the Bill, said:—He need only point out to the Council two main alterations which had been made in the Bill. In the first instance, the Committee had thought that the system of election would be made more complete if some reciprocity was recognised in

the arrangement which the Select Committee on the Municipal Bill proposed of allowing the Port Commissioners to elect a certain proportion of the Commissioners of the Town of Calcutta. They thought that by allowing the Town Commissioners to elect a member of the Port Commission, they would at once secure the counterpart of this arrangement, and provide for some representation of local interests on the Board. The next point was the consideration which was laid before them by members of the existing Port Trust, who represented that it would be extremely inconvenient if the Bill brought about at once a system of general election, and that continuity of experience in the Port Trust was a matter of such great importance that it would be desirable to allow the appointments of existing members to run for the term for which they were originally made. The Committee proposed accordingly that, as vacancies fell in, they should be filled up by election by the bodies who informally were now represented on the Board by such members. He moved that the clauses of the Bill be considered for settlement in the form recommended by the Select Committee.

The motion was agreed to.

The HON. MR. ANUNDO MOHUN BOSE moved that, in the last clause of section IV, the words "not less than" be inserted before the word "two." He said the proviso to this section enacted that when all the vacancies in the number of Commissioners appointed under Bengal Act V of 1870 had been filled under the first four clauses of section X, two of the Commissioners should be natives of India residing in Calcutta or Howrah. He believed the object was to provide that at least two of the Commissioners should be natives of India, and not to fix two as the statutory number of which the representation of native interests should consist. In fact, if the latter were the object, it would hardly be effected by the Bill as it stood; and for this reason, that where there was a system of election more than two natives of India might come in by election. He might state that that was also the language in the Bombay Act, in which it was provided that not less than three Commissioners should be natives of India.

The HON. MR. MACAULAY said he had no objection to the amendment. It was intended that two should be recognised as the minimum number, and, perhaps, it would be better to adopt the Hon. Member's proposal.

The motion was carried, and the section, as amended, was agreed to.

The HON. MR. ANUNDO MOHUN BOSE moved that to paragraph 4 of section V the following be added:—

"And one shall be elected by such body, bodies or firms representing the native commercial community of Calcutta as the Local Government may, with the previous sanction of the Governor-General in Council, from time to time direct. In the first three cases, the election shall be held."

He said he trusted it would be possible for the Council to accept this amendment, which he submitted was a very small and a very moderate one, and he hoped it might be possible by accepting it to make a concession to the expression of native as well as of Anglo-Indian public opinion on the subject, and also to the just requirements of the case. The amendment did not introduce any new proposal. All that it suggested was that, the Bill having affirmed the principle that there should be at least two native members on the Port Commission, one of these members should be a direct and accredited representative of the native commercial community of Calcutta. He believed this would save the Government some responsibility, and the rather invidious task of selecting a native gentleman to represent native commercial interests. The Government accepted the principle of there being two native members on the Port Commission. It also accepted the principle of election as far as the Chamber of Commerce and the Trades' Association and the Municipal Corporation were concerned. It laid down that instead of the members of these bodies being selected in an informal way, as at present, they should be allowed to say whom they wanted to have on the Port Trust to represent their interests; and it was eminently desirable that the same concession should be made in favour of the native commercial community. It was pointed out in the Report of the Select Committee, in connection with the memorial received from the National Chamber of Commerce, that it was a body which had not existed long, and that its status was not sufficiently known to justify this power being placed in its hands. He entirely appreciated that difficulty, but he submitted that it



might be met in the way he had indicated, in a way which was not of his own suggesting, but which he had taken from a Bill which had been passed by this Council only last Saturday, namely, the Chittagong Port Trust Bill. There also there was a difficulty felt owing to the fact of no organization being in existence which could send some elected representative to the Port Commission; and therefore, in order to give effect to the principle of representation, the Council adopted the expedient which he had followed in this amendment. That was a precedent to which he appealed in favour of his amendment, the language of which also was virtually taken from section V of that Act. And he might also point out that in the Port of Calcutta, not only was a large amount of revenue derived from the foreign trade, from the jetties and quays to which steamers and ships resorted, but tolls to the extent of nearly Rs. 4,00,000 were derived annually from the inland vessels or boat wharves or boat wharves at which the inland trade was carried on. The exact figures in the last report were these. The revenue derived from the foreign trade at the jetties, including "miscellaneous," was stated to be Rs. 9,09,758 and odd, while the tolls received at the inland wharves from boats was Rs. 3,93,587. On these grounds he hoped the Council would accept this amendment, which did not limit the Government to any particular body, though it was to be hoped that the recently-constituted body would show signs of vitality and justify the Government in conferring the privilege of election upon it. But in any case, the Government would have no difficulty in finding a suitable electorate for the purpose, as indicated in his amendment.

The Hon. MR. MACAULAY said that he regretted he was unable to recommend to the Council the adoption of this amendment. The Hon. Member had rightly pointed out that his amendment followed the provision made in the Port Trust Bill for Chittagong, but Mr. Macaulay was wholly unable to follow him in the comparison which he sought to establish between the course which the Council adopted then and that which they were asked to adopt now. When he had the honour of laying that measure before the Council, he explained that selection by Government or local bodies or firms to exercise the elective franchise was the only practicable expedient, but that it was a very clumsy expedient. The desire was to give the right of election to the representatives of the commerce of the port. But though there would no doubt some day be a Chamber of Commerce at Chittagong, at present there was none, and the only alternative to abandoning the elective principle altogether was the very awkward expedient of leaving the Government to select certain firms, and allowing them to exercise the franchise. Had there been a Chamber of Commerce at Chittagong, or any body to represent commercial interests, no mention would have been made of the selection of firms. Yet in a Bill which related to the Port of Calcutta, where there was a long-established Chamber of Commerce, where there was an incorporated Trades' Association, and an enlightened and powerful Municipality—in a Bill which provided for a more elaborate system of election to the Port Trust than any other measure of the kind on the Indian Statute book—his hon. friend proposed to introduce a provision from a measure which related to one of the smallest ports of India—a measure which owed its elementary character, so far as the provision for election was concerned, to the very circumstance that the port had not reached the point of commercial representation at all. For this reason, on the ground of form only, he would ask the Council to reject the amendment.

His hon. friend appeared rightly to recognise that the effect of the amendment would be that the right of election would be given to the National Chamber of Commerce. Clearly that would be the result, because the only other alternative would be one which it would be very difficult for the Government to accept. As there was no other native commercial body than the National Chamber of Commerce, if that body was not allowed the right of election, then the Government would have a task to fulfil, which might be easy enough in Chittagong, where there were but five or six mercantile firms, but which would be very difficult in Calcutta. It would have to select from the numerous native firms in this great city a sort of *corps d'élite*, who would have the right of election, to the exclusion of all others. This duty, like all other unpleasant duties, would fall on the Government, and he apprehended that if the Council laid this duty on the Government of Bengal, it would be doing an act which might not tend to promote friendly feelings between the Council and their



incoming President. He thought it would have been better if his hon. friend had proposed in plain words to give this right to the National Chamber of Commerce. In support of his views, the hon. member had referred to certain figures, but Mr. Macaulay would remind him that the question was not whether native commercial interests should be recognised—a point on which all were agreed—but whether this particular body should be recognised, by law, as the accepted representative of those interests. He might mention that he had had the honour the other day of receiving a deputation of four very intelligent gentlemen, members of this new body—the President, two members, and the Secretary—who made a suggestion very much like that embodied in the amendment. But after Mr. Macaulay had pointed out to them the difficulties in the way, he understood them to withdraw the suggestion. He had then discussed with them generally the question whether the request contained in their memorial, which was now before the Council, could be complied with, and he had pointed out to them that the Legislature would probably find great difficulty in giving legal status and recognition to a body like theirs, which, though it bore many honourable names, had been very recently established, and had not yet had the opportunity of showing by its working how far it possessed the elements of stability, or how far it was really accepted and acknowledged by the native merchants as the guardian of their interests and the exponent of their views. He had recommended them, from himself, to work quietly for a time, and by their working to justify them hereafter in approaching the Government with the prayer that their claim to be represented on the Port Trust might be recognised by the Legislature. He understood them to accept that advice. As he had pointed out, it was not a question of the representation of native interests, because provision had been made that two members of the Port Trust should be natives, and his hon. friend only proposed that one of these two should be elected in the manner suggested. He could safely say that the Government would always endeavour to select as much as possible, under the Act, a genuine representative of native commercial interests. He mentioned this, not because he wished in any way to detract from the force of anything which had been said, but to show that the memorial of the National Chamber of Commerce had been duly considered. On the merits of the amendment he hoped the Council would reject it.

The HON. BABU KALLY NATH MITTER said that, as one of the members of the Select Committee, it would not be out of place if he said a few words on this subject. This representation of the National Chamber of Commerce was laid before the Committee, and they were unanimously of opinion that this body had not been in existence for such a length of time, and that its status was not such, as to justify the power of election being vested in it by law; and it was only on that ground that the Committee, though it was anxious to give representation to this body, had come to the conclusion, after much deliberation, that they would not be justified in giving it that status by legislation. He thought there was a good deal in what the hon. member in charge of the Bill had said with reference to the comparison which the hon. mover of the amendment had drawn between Calcutta and Chittagong. It seemed to him that it would be an awkward thing for Government to determine to what native firms in this city the power of election should be given. On principle, he was entirely with the hon. member that the native commercial interest should be represented in the Calcutta Port Trust by election, and he hoped that when the time came for the Acts relating to the Port Trust to be consolidated, the claims of this body, if it then showed signs of vitality, would be reconsidered.

The HON. MR. ANUNDO MOHUN BOSE said in reply that the effect of adopting the amendment would not necessarily be, as the hon'ble member in charge of the Bill seemed to apprehend, the recognition of the Bengal National Chamber of Commerce. He was not speaking as the champion of that body. With regard to the alleged difficulty in the selection of native firms, he would draw the attention of the Council to an important letter from the British Indian Association, in which a scheme was sketched out, by which, without the Government committing itself in the slightest degree to the recognition of the newly-started National Chamber of Commerce, the principle of giving direct representation to the native commercial community might be easily

acted upon. The Association pointed out that all merchants who paid a certain amount to the municipality, by way of license to carry on their business, might be recognized and constituted into an electoral body, and they might be asked to elect some members of the Port Commission. Therefore it was plain that if this amendment were accepted, the Government would not be under the necessity of recognizing this new body, but would be able to give effect to the principle of election, the importance of which he was glad to see admitted. Not only as regards the total amount received in the shape of tolls, but also as regards the net amount of revenue derived from inland trade, he found that it amounted to Rs. 1,47,000, as against Rs. 2,96,000 from the foreign trade; and there also the proportion was maintained, showing that one-third of the income of the Port was derived from this source. It would be a matter of deep regret if an interest so large and important should be passed over without its representatives getting the power of returning even one member to the Commission.

The motion was put and negative.

The HON. SIR HENRY HARRISON moved that in section X, clause 3, for "is caused by the Chairman of the Commissioners of the Town of Calcutta ceasing to act," read "is caused by a Commissioner other than the Chairman of the Commissioners of the Town of Calcutta, who, at the time of his appointment, was a Commissioner of the Town of Calcutta, ceasing to act."

He said that the words which he proposed to alter clearly embodied a principle, and not merely a convenient expedient. He would first point out the principle embodied, and then contend that it was a wrong one, and that the object of his amendment was to suggest the right one. The Select Committee had given the right of electing one member to the Municipality of Calcutta, and the words which he objected to were that this right should be exercised when a vacancy occurred on the Board "by the Chairman of the Commissioners of the Town of Calcutta ceasing to act" as a member of the Port Trust. He submitted that that was clearly an indication of the view of the Legislature, that the vacancy thus caused corresponded with the election to be made. The making their election dependent upon the vacancy caused by their Chairman clearly suggested that the Port Commissioner to be elected should be the substitute for the Chairman. He thought it was equally clear that that was a wrong principle for the Council to adopt. The work done by the Municipal Chairman as a Port Commissioner was radically and substantially different from that which the representative of the Town of Calcutta should do. The Chairman of the Town Corporation had from the outset been appointed a member of the Port Trust, and the Municipal Act had always contemplated the probability of his being so appointed. The work of the Town Commissioners came into contact with that of the Port Commissioners all along the line, and the establishments of the one with the establishments of the other; and to avoid the friction which otherwise might ensue, it was desirable that the Chairman of the Municipal Commissioners should be a member of the Port Trust, so that he might be consulted *in camera*, instead of embarrassment being caused by correspondence. It was also clearly desirable that the Commissioner of Police should be on the Port Trust, as many police questions arose in which the Commissioner of Police had been able specially to arrange matters. The object of giving the election of a member of the Port Trust to the Town of Calcutta was, Sir Henry Harrison submitted, substantially and fundamentally different. What had just been stated by the hon. member in charge of the Bill in reply to the motion of the hon. member opposite (the Hon. Mr. Anundo Mohun Bose,) that the native commercial interest would not be unrepresented, as the Municipal Commissioners might elect a native merchant—

[The HON. MR. MACAULAY observed that he had certainly no intention of saying that a member elected by the Municipal Corporation could be regarded as representing native commercial interests, and he believed that he had not said so.]

The HON. SIR HENRY HARRISON continued—Obviously the interests which the member elected by the Municipal Commissioners on the Port Trust were those of the resident community of Calcutta. The action of the Port Commissioners frequently affected the value of property in the town. It had been pointed out that the construction of tea warehouses and other buildings by the Port Trust affected the rents of houses in town and the tea sales in town, and he had little doubt that the Calcutta Commissioners, if left to themselves,



would select one of the more active of their number who would give effect to the interests of the residents of Calcutta. That interest was a totally and fundamentally different interest from the interests which the Chairman of the Calcutta Corporation represented. He represented executive interests—the interest of well-working and the absence of friction and collision between the two bodies. Not only was he there to prevent friction, but mistakes were committed which he was able to set right. In questions of water-supply, and drainage in connection with the new docks, it would be doubly important in future that the municipal executive should be represented on the Port Commission. What Sir Henry Harrison contended for was that the question whether the Chairman of the Municipal Commissioners should be on the Port Trust or not, was a question for the Government to consider, but that no attempt should be made to force the Commissioners into this dilemma—either the Chairman would not be on the Port Trust at all, or they must elect him. That, he submitted, would be the effect of the wording of the section as it stood. Hitherto they had others of their number on the Port Commission, and recently they had four, all nominated by the Government. What he, therefore, submitted was that this right of electing a member on the Port Trust should be made a real boon to the Town of Calcutta, and that they should understand that they were invited to elect a member who should represent them—not the executive working of the municipality, but the interests of the rate-payers. Consequently he only wished to embody in this section the right principle instead of a wrong principle. It should be open to them to elect their Chairman if they pleased, and similarly it would be open to the Government not to nominate the Chairman of the Municipal Corporation. As the law stood, if the Commissioners did not elect the Chairman, the Government could nominate him; but the Legislature should give in the law a right and not a wrong indication. The right indication would be that the election by the Municipal Commissioners should not be the election of the gentleman whom the Government had selected to preside over the executive working of the Municipality, but of one of their body who should represent the interests of the residents of the town, and it would still be left open to the Government to determine whether, all things considered, the Chairman of the Calcutta Corporation should or should not also be a member of the Port Trust.

The HON. BABU KALLY NATH MITTER said he was very glad to support this amendment, which he thought would make it clear that the Municipal Commissioners should elect some one of their own body to represent them on the Port Commission. If the intention was that such member should be their Chairman, then it would be no boon, because hitherto the Government had always appointed the Chairman to be a member of the Port Trust. This matter was discussed in Committee, and the possibility of the Municipal Commissioners electing a native gentleman to represent them was taken into consideration, and it was pointed out that, if that was done, the Government would only be able to appoint another native gentleman on the Port Trust. Therefore, as far as the principle was concerned, he believed the Committee was of opinion that the Commissioners should not be hampered in their election. The effect of this section, as had been pointed out by the hon. mover of the amendment, would be that the Municipal Commissioners would be hampered in their choice, because, unless they elected their Chairman, there would be the difficulty that the executive interests of the Municipality would not be represented, and there would be the risk of a considerable amount of friction between the Municipal Commissioners and the Port Commissioners.

The HON. DR. MAHENDRA LAL SIRCAR thought the hon. mover of the amendment had very well shown the distinction between the interests represented by the Chairman of the Calcutta Corporation and the Municipality. The Chairman represented quite different interests from those which were represented by the Commissioners, and therefore he thought the Chairman should, if possible, be an *ex-officio* member of the Port Commission. Under the Bill it would be left to the Government to appoint the Chairman of the Municipal Commissioners or not as they considered fit, but the Municipal Commissioners should be left free to elect any other person than their Chairman. On these grounds he supported the amendment.

The HON. MR. MACAULAY said that he desired, first, to correct a misapprehension into which his hon. friend, Sir Henry Harrison, had fallen with

reference to the remarks he had made in answer to the hon. mover of the last amendment. He had no intention of referring to the representation of the Corporation. He had pointed out that two native members would, in any case, be on the Board. His hon. friend wished that one native member should be elected by the National Chamber of Commerce, and Mr. Macaulay had said that the Government would be always anxious to see that native commercial interests were represented in the Port Trust, but that the question here was not whether those interests should be represented, but whether their representative should be chosen by the National Chamber of Commerce, which had yet to prove itself the real representative of the native commercial community, or be chosen by the Government.

With reference to the amendment before the Council, he wished to point out that section X was not intended to involve any principle. It was worded merely for the sake of convenience, in order to provide for the initiation of the elective principle in the Port Trust; and the Committee had found some difficulty in framing it, because, as they had three different bodies who would elect, they found it difficult to arrange how they were to take up their right of election as vacancies in the present Board fell in. They decided that the best way would be to allow the Chamber of Commerce to elect a successor when any Port Commissioner, who now happened to be a member of that body vacated office; when it happened to be the gentleman who represented the interests of trade, the Trades' Association should take up the right of election, and they had taken the opportunity of providing for the Corporation exercising this right when the vacancy was caused by its Chairman vacating his office as Port Commissioner. But he would point out that it would be a dangerous thing, and would most seriously hamper the action of the Government, if the Council adopted the principle which his hon. friend said the amendment contained. It would be a dangerous thing first to limit the number of nominations, which the Government should have, to six, and then to insist that one of these should be given to the Chairman of the Corporation of the Town. [Sir Henry Harrison—"I never said that".] But that would be the result, if the Council adopted the amendment, under the explanation which his hon. friend had given. He maintained that, if the Council adopted the amendment as avowedly containing the principle which his hon. friend wished to assert, the Government would practically be bound to give one of the six nominations to the Chairman of the Corporation. He thought it very likely the Government would, when it could conveniently do so, nominate the Chairman, but there were conceivable circumstances when it might find it extremely inconvenient to follow that course. And if, when the vacancy occurred by the retirement of a Port Commissioner, who was a member of the Corporation, that body thought proper to elect their Chairman, then they would be substantially represented, and both interests would be subserved.

The HON. SIR HENRY HARRISON in reply said, that the Hon. Member in charge of the Bill had put the matter very fairly on principle; he fully conceded that the principle indicated by the amendment was the right one, but denied that the Bill indicated the opposite. This was a simple question, and the issues were clearly before the Council. As regards what the hon. member had said in reply to the hon. member opposite (Mr. Anundo Mohun Bose), the importance did not arise from the fact of its having been said, but from the argument itself. The argument was naturally a good one, that the member elected by the Municipal Corporation would, to some extent, represent native interests if they were unhampered in their choice. Sir Henry Harrison only contended that the question of the Chairman of the Corporation being on the Port Trust was substantially an executive question. Was it or was it not convenient and conducive to the well-working of the Municipality that the Chairman of the Corporation should be on the Port Trust in order to avoid friction between the two bodies? That was a question which the Government should decide, but the Commissioners would have a real boon given to them if they were expected to elect some one of their own body to represent the interests of the town.

HIS HONOR THE PRESIDENT said that it should be noted that the last clause of section X provided that, thereafter all vacancies caused by elective



Commissioners ceasing to act should be filled up by election by the respective elective bodies, and all vacancies caused by nominee Commissioners should be filled by appointment by the Government; so that really the question at issue was as regarded one individual, and though it might have been brought forcibly to the attention of Sir Henry Harrison that he was going away on leave, and that the provisions of section X might affect his place on the Port Commission, His Honor thought the principle was a right one. It was quite possible that the Government might wish to have the Chairman of the Municipality as a member of the Port Commission, but that was a question which should be left entirely to its own judgment and discretion. In the case before them of the hon. member going away, according to him the Chairman of the Corporation should be appointed by the Government *ex-officio* as one of its number, but on the resignation of one other member of the Corporation on the Trust, like the Hon. Mr. Reynolds, creating another vacancy, the right of the Municipality to elect a member in his place would place the Government in a difficulty. It was always in the power of the Municipal Commissioners to appoint their own representative, and if to that was added the appointment, *ex-officio*, of the Chairman to the Corporation, it would reduce the number to be nominated by the Government to the Port Trust. The provisions of section X were purely for a temporary purpose, and provided only for the first elections. Under these circumstances, His Honor would vote against the amendment. He noticed that the native members of the Council who had spoken on both sides of the House, and who were in Committee, had deserted the hon. member in charge of the Bill. He did not know whether this question was raised or discussed there, but certainly no objection was taken by them to the particular question which was now raised.

The question having been put to the vote, the Council divided:—

<i>Ayes 5.</i>		<i>Noes 6.</i>	
The Hon. Dr. Mahendra Lal Sircar.		The Hon. Mr. Irving.	
„ Babu Kally Nath Mitter.		„ Moulvie Abdul Jubbar.	
„ Mr. Anundo Mohun Bose.		„ Sir Alfred Croft.	
„ Sir Henry Harrison.		„ Mr. Allen.	
„ The Advocate-General.		„ Mr. Macaulay.	
		„ The President.	

So the motion was lost.

The HON. MR. ANUNDO MOHUN BOSE moved that in section XI the words “elected or appointed” be inserted before the words “under this Act.” He explained that as the section stood, all vacancies in the number of the Commissioners, whether appointed under Bengal Act V of 1870, or under this Act, should be filled by election or appointment, as the case might be, within one month, and it seemed obviously necessary that the language of the section should be altered. Under Act V of 1870 the Commissioners were only appointed. Under this Bill the Commissioners would be either appointed or elected. The object of the amendment was to state that whenever there was a vacancy amongst the Commissioners, whether elected or appointed under this Act, and not simply in the case of appointed members, the vacancy should be filled by election or appointment, as the case might be.

The motion was carried, and the section, as amended, was agreed to.

The HON. MR. ANUNDO MOHUN BOSE moved that to section XIII of the Bill the following words be added:—In section XV, before the words “some other person” shall be inserted the words “or cause to be elected, as the case may be.” This amendment, he said, was rendered necessary by the alteration in the constitution of the Port Trust. Section XV of Act X of 1870 provided that, in the case of the temporary absence of any Commissioner, it should be lawful for the Lieutenant-Governor to appoint some other person to act for him until he should return to Calcutta, or until he ceased to be a member. Under that Act, all the members of the Trust being appointed by the Government, whenever there was a temporary absence, the law necessarily laid down that the Lieutenant-Governor should appoint some other person to act for the Commissioner so absent. But after the passing of this Bill, when an elected Commissioner was temporarily absent and the Lieutenant-Governor thought it right to fill up the place until the return of the absent member, or until he ceased to act, Mr. Anundo Mohun Bose submitted that the only right and proper course would be

virtually to transfer that seat from the body which returned the absent member to the Lieutenant-Governor. He did not think that would be carrying out the object of the Bill, and there was no reason why the absence of a member should entail the punishment on the returning body of being temporarily disfranchised. Section XV of Act V of 1870 did not relate to the case of a vacancy, but only to the case when a member continued on the Board but was absent for a short period, and therefore section XII of the Bill which had been pointed out would not meet the case. Under the amendment which he proposed, the Lieutenant-Governor might appoint where the absent member was a nominated Commissioner, but where an elected Commissioner was so absent, another member might be appointed by the body which elected the absent member. He submitted that that was a necessary amendment which ought to be made, and the effect of a member being temporarily absent, who was an elected member, ought not to be to transfer the seat for the time being from the body which elected him to the Government.

The HON. MR. MACAULAY said he would first take objection to the form of the amendment. The introduction of these words "or cause to be elected, as the case may be," would afford no indication with regard to the manner in which the election was to be made, or by whom it was to be made. But as regards the merits of the amendment, this question was fully considered by the Select Committee, who were of opinion that it was desirable, in the case of these temporary vacancies, not to have recourse to election, and require these bodies to go through a series of forms, but to leave the appointment in such cases to be made by the Government. He thought the balance of convenience was in favour of that course, and there was no question of the elective principle involved.

The motion was put and negatived.

The HON. SIR ALFRED CROFT asked the permission of the President to move a trifling verbal amendment, namely, to substitute the phrases "elected Commissioners" for "elective Commissioners," and "nominated Commissioners" for "nominee Commissioners," in section IV and in any other sections of the Bill in which those phrases occurred. In trying to find out the meaning of the phrase "elective Commissioner," he had considered other connexions in which the word "elective" was ordinarily used. It was used, for example, in the phrase "elective principle," which meant the principle that related to, or concerned, or governed election. It was used again in the phrase "elective body," that is to say, a body in whom was vested the right of election. But he must confess that the phrase, as it stood in the Bill, could not be said to be used in either of those senses. An "elective Commissioner" was not a Commissioner who was concerned with an election, nor was he a Commissioner who possessed the right of election. The phrase merely meant an "elected Commissioner"; and he therefore moved that the word "elected" be substituted for "elective." So with regard to the phrase "nominee Commissioner." A "nominee" was a nominated person; the difference between "nominee" and "nominated" being just the difference between the substantive and the adjective. The phrase seemed to savour of Teutonic complexity, if not of an Americanism. He therefore moved that in place of the word "nominee" the word "nominated" be substituted.

The HON. SIR HENRY HARRISON said he had suffered much during the last few days from some of his friends who had also taken exception to the use of these phrases in the Bill, and who expressed their surprise that he could consent to the passing of a Bill in which these phrases occurred. But being very diffident he did not venture to put any notice of motion in his own name for the correction of these phrases. Now, however, that he had found a sturdier spirit come forward, he was glad to support the motion.

The HON. MR. MACAULAY said the Council would no doubt expect from him some explanation of his conduct. He could only say that he had to plead other authority, inferior no doubt to the authority of his hon. friend the mover of the amendment, but still respectable authority. The words were taken from the Bombay and Madras Acts. The Bombay Act, he believed, was in part the work of a distinguished member of the Bombay Civil Service, Mr. Max Melville, and had as well the authority of Mr. Raymond West and others;



and Mr. Macaulay, though he had not himself liked the phrases, had felt diffidence in departing from their example. But, as he recognized his hon. friend as the very highest authority on questions of phraseology, he hoped the Council would accept the amendment.

The motion was carried, and the sections as amended were agreed to.

The HON. MR. MACAULAY applied to the President to suspend the rules for the conduct of business to enable him to move that the Bill be passed.

The Hon. the President having declared the rules suspended, the Hon. Mr. Macaulay moved that the Bill, as settled in Council, be passed.

The motion was agreed to, and the Bill passed.

#### CALCUTTA MUNICIPAL BILL.

The HON. SIR HENRY HARRISON presented the Report of the Select Committee on the Bill to consolidate and amend the law relating to the Municipal affairs of the Town of Calcutta, and in doing so said:—The Select Committee was called upon to make this report on the 10th of January last, but he had to express regret on behalf of the Select Committee that they had found it altogether impracticable to do so. The amendments which had been suggested to the Committee had been very numerous indeed, and it had, therefore, taken a very long time to give them that consideration which they deserved. They had therefore only been able now to present the Report. The Bill had been so materially altered that they recommended to the Council that its consideration should be postponed to the next Session, in order that the public might have the opportunity of considering the numerous alterations which had been made in it.

#### ADJOURNMENT OF THE COUNCIL.

HIS HONOUR THE PRESIDENT said, the presentation of this Report on a Bill which has occupied my interest and attention during the last two years gives me the opportunity of saying a few words, which will be the last which I shall be able to speak from this Chair. I do not think any one can impute to the Bengal Council that it has indulged in anything approaching to over-legislation. I think we have during the past five years passed several important and useful measures, but the special character which will attach to the legislation accepted by this Council during the past Lieutenant-Governorship will be that connected with the reform of municipal administration throughout these Provinces. We passed an Act in 1884, which is already effecting a great deal of good in municipalities established throughout the mofussil. We passed a Local Self-Government Act in 1885, which has been applied to specially selected districts, and has shown, as far as we can judge at present, very fair results; and which is now being more widely extended to other less advanced but more numerous districts, where there is every hope that the introduction of a system of local administration, though novel to the country, will still secure the co-operation of the natives of Bengal in the conduct of their own local affairs, ensuring thereby great relief to the Government and the political education of the people of the country. I need not detain you by longer remarks upon this point, except to say that, though I naturally regret that it has not fallen to my lot to see to its final conclusion the important Bill upon which the Select Committee have now reported for the amendment of the Calcutta Municipal Act, I have the satisfaction of knowing that it will be in the hands of a successor who will devote to it the keenest interest, and that the delay which arises from its unavoidable postponement to another Session will enable the fullest consideration to be given to the provision of a Bill which affects many interests.

And now, gentlemen, allow me to thank you, and through you those who have preceded you as members, for the assistance and advice you have always been willing to render, and the labour you have devoted to the work of this Council. I do not think that in any of our discussions in this Council it can be said that very heated language has ever prevailed; on the contrary, we have enjoyed that serene calm in our deliberations and proceedings which is best suited to the elevated atmosphere in which our Council sits. It has been my endeavour, by the introduction into this Council of different

sections of native representatives, of Hindu and Mahomedan gentlemen, and of those who can be the exponents of different interests in Bengal, to give wider intelligence and value to the character of our discussions, and I have reason to believe that very good results have followed in consequence. With the last opportunity I shall have of presiding amongst you, accept from me, gentlemen, my heartiest appreciation of your services, and my regret for the commission of any mistakes which I may have made. It happens that coincident with my own retirement is that of a very old servant of this Council, who is also about to leave his post and take his pension. I refer to Mr. Kirkpatrick, the Registrar of the Legislative Department, whom I have known, during all the years that I have had any connection with this Council, as one of its most valued and useful officers. I am glad to know that, in resigning his Registrarship, he will be able to retain his position as the official reporter of your proceedings, and I am sure I may wish him in your name many more years of life and success in the discharge of his duties. Now, gentlemen, I bid you all farewell.

The Council was adjourned *sine die*.

GORDON LEITH,

*Offg. Asst. Secy. to the Govt. of Bengal,  
Legislative Dept.*

CALCUTTA,  
*The 11th April, 1887.*



**TENURE OF OFFICE OF UNDER-SECRETARY TO GOVERNMENT  
IN THE CIVIL DEPARTMENT.**

RESOLUTION.

APPOINTMENT DEPARTMENT.

*Dated Calcutta, the 3rd March 1887.*

READ—

A letter from the Government of India, in the Home Department, No. 27—1340, dated 4th September 1886, enclosing a copy of a notification by the Punjab Government, No. 1355, dated 21st August 1886, laying down certain conditions under which certain Secretariat appointments in that province are in future to be held.

The conditions approved by the Lieutenant-Governor of the Punjab in the notification above quoted are as follows:—

(1). The tenure of the specified appointments will be limited to a maximum term, ordinarily of four years, to be extended, if the Lieutenant-Governor thinks it advisable to prolong it, under special circumstances for the convenience or interest of the administration.

(2). No leave other than privilege leave or leave on medical certificate will be granted to incumbents of the specified appointments, except on grounds of the most urgent character, when special leave only will be granted under sections 61, 62, and 63 of the Civil Leave Code.

The appointments in regard to which these conditions have been prescribed are those of the Under-Secretary to Government in the Public Works Department, the two Under-Secretaries in the Civil Department, and the Senior and Junior Secretaries to the Financial Commissioner.

2. The Lieutenant-Governor considers that some such limitations as those sanctioned by the Government of the Punjab may with advantage be adopted by this Government, so far as the junior appointments in the Civil Department of the Bengal Secretariat are concerned. Secretariat training is useful to young officers, but is not so important as the direct experience of the working of the administrative machine, and of the views and feelings of the people, which can be gained only by district work. Sir Rivers Thompson would even go further than the Lieutenant-Governor of the Punjab, and fix three years as the limit of tenure of the office of Under-Secretary. It is also important, in the Lieutenant-Governor's opinion, to secure, as far as possible, that full pay shall be given for work done in the Secretariat. It is work of a specially arduous and trying character, involving a very considerable strain on the constitution, and is not adequately remunerated by anything short of the full pay of the post. The Lieutenant-Governor would add to the second rule laid down by the Punjab Government a further condition that, if an Under-Secretary leaves his post to take up an officiating appointment outside the Secretariat for a longer period than six months, he must resign his post of Under-Secretary, so as to allow his successor to draw the full pay attached to the appointment.

3. The Lieutenant-Governor therefore approves of the following conditions as those under which the appointments of Under-Secretaries in the Civil Departments of the Bengal Secretariat shall be held:—

(1). The tenure of the specified appointments will be limited to a maximum term, ordinarily of three years, to be extended, if the Lieutenant-Governor thinks it advisable to prolong it, under special circumstances for the convenience or interest of the administration.

(2). No leave, other than privilege leave, or leave on medical certificate, will be granted to incumbents of the specified appointments, except on grounds of the most urgent character, when special leave only will be granted under sections 61, 62, and 63 of the Civil Leave Code.

(3). An Under-Secretary shall not be allowed to carry with him the substantive pay of his appointment, when deputed to act in another appointment, provided that such deputation be for a longer term than six months.

By order of the Lieutenant-Governor of Bengal,

COLMAN MACAULAY,

*Offg. Chief Secretary to the Govt. of Bengal.*

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 9th April 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts</i>			
BURDWAN DIV.	1 Burdwan. April 9, '87	0.03	Weather—cloudy and extraordinarily cool for the season. Prospects very good. Prices still low. Public health fair.
	2 Cutwa " 9 "	0.20	
	3 Bankoora, " 9 "	0.18	
	4 Beerboom, " 9 "	0.84	
	5 Midnapore, " 2 "	0.51	
PRESIDENCY DIV.	6 Howrah, " 11 "	0.01	Weather—cool for this time of year. Tillage of lands in active progress everywhere. Prospects generally fair. Public health good. Report not received.
	7 Oodoberia " 11 "	0.04	
	8 24-Pergha, April 12 '87	Nil	
	9 Nudda, " 9 "	0.04	
	10 Ranaghat " 9 "	0.16	
RAJSHAHY DIV.	11 Khoulma, " 11 "	0.02	Weather—unusually cool with overcast sky. Outturn of <i>rubbee</i> crops good. Indigo promises well. Cultivation for <i>aus</i> progressing. Some few cases of cholera and cattle-disease.
	12 Jessore, " 9 "	Nil	
	13 Moorshedabad " 9 "	0.11	
	14 Kandi " 9 "	0.40	
	15 Dinagepore, April 9, '87	Nil	
DACA DIVISION.	16 Rajshahye, " 9 "	Nil	Sky overcast. East wind blowing. Rain reported in some thanas. Cultivation for <i>bhadoi</i> crops continues. Public health fair. Rice 20 to 28 seers per rupee.
	17 Tungpore, " 9 "	Nil	
	18 Bogra, " 9 "	Nil	
	19 Pubna " 8 "	0.08	
	20 Darjeeling, " 9 "	0.77	
CHITTAGONG DIV.	21 Jalpigore, " 9 "	0.14	Weather—hot in the beginning of the week, but cloudy and rather cool during the latter part. Rain of last week did much good. State and prospects of crops good. Public health fair.
	22 Dacca, April 9, '87	Nil	
	23 Farreedpore, " 9 "	0.05	
	24 Goalundo " 9 "	0.25	
	25 Backergunge, " 8 "	Nil	
CHITTAGONG DIV.	26 Mymensingh, " 8 "	0.03	Days hot and nights cool. Prospects of crops good.
	27 Kishoregunge " 8 "	0.56	
	28 Attia " 8 "	0.77	
	29 Chittagong, April 12, '87	Drizzling rain on 11th.	
	30 Noakholly " 8 "	Nil	
CHITTAGONG DIV.	31 Tipperah, " 7 "	Nil	Weather—hot. Prospects of spring crops good. Lands are being got ready for <i>aus</i> . Prices steady. Cholera still reported; general health good.
	32 Brahmanbaria " 7 "	0.52	
	33 Chandpur " 7 "	2.10	
	34 Chittagong Hill Tracts, " 5 "	Nil	
	35 Hill Tipperah, " 6 "	1.12	



No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.</b>			
<b>PATNA DIV.</b>	26 Patna, April 9, '87	0.11	Weather—cloudy during latter part of week with a slight shower of rain. Harvesting of <i>rubbee</i> crops nearly finished. New gram and barley are sold in the market. <i>Rahar</i> and castor seeds are being gathered. Public health generally good.
	27 Gya, " 9 "	.....	Weather—cloudy; drizzling rain on 7th, and rain on night of 8th. Harvesting of <i>rubbee</i> completed. Fever and cholera reported.
	28 Shahabad, " 9 "	0.08	Weather—unsettled and cloudy. Threshing and winnowing of <i>rubbee</i> crops in progress. Sugarcane being irrigated. Weighment of opium has begun; drug of a good consistence. Sporadic cases of cholera in the interior of Bhabhua sub-division; public health otherwise fair.
	29 Sasseram, " 9 "	1.11	Mornings cool, but days getting warm. <i>Rubbee</i> harvest in progress. Mango blossoms suffered considerably from lightning and rain. Other crops doing well. Prices remain almost stationary. Cholera still reported from head-quarters.
	30 Durbhunga, " 9 "	0.49	Weather—threatening and variable, but no rain. <i>Rubbee</i> harvest nearly completed. Opium housed; outturn good.
	31 Mozufferpore, " 9 "	Nil	Wind from west and occasionally from east. Rain on night of 8th. <i>Rubbee</i> harvested with an outturn of 12 annas. Public health good.
	32 Sarun, " 9 "	0.20	<i>Rubbee</i> crops are being gathered. Weighment of opium has begun. Indigo plants coming on. Prices stationary. Public health fair.
<b>BHAGULPUR DIV.</b>	33 Champaran, " 9 "	0.19	Weather—seasonable. Reaping of <i>rubbee</i> crops continues. Sporadic cases of small-pox still reported from Beguserai; general health otherwise fair. Prices steady.
	34 Monghyr, April 9, "	Nil	Weather—still cool for season. <i>Rubbee</i> harvest in progress; probable outturn all round 12 annas. <i>Moong</i> and paddy being sown in low lands. Indigo very promising. Cholera still hangs about some villages in north.
	35 Bhagulpore, " 9 "	0.62	Weather—growing warm; nights cool. Jute and <i>bhadai</i> paddy sowings have begun. Cereal harvest in progress.
	36 Purneah, " 9 "	Nil	Weather—fine and pleasant, but occasionally cloudy. A strong gale followed by a slight shower on night of 8th. Harvesting of <i>rubbee</i> crops going on. <i>Boro</i> paddy thriving well. Prices stationary. Sporadic cases of cholera reported from town and interior; public health otherwise good.
	37 Maldab, Chanchal Shibgunge, " 9 "	0.27 0.48 0.41	Weather—storm on the evening of 7th. Cloudy and cool since. Prospects of crops satisfactory. Rain will help ploughing. <i>Mahua</i> plentiful.
<b>ORISSA.</b>			
<b>ORISSA DIV.</b>	38 Cuttack, April 8, '87	0.02	Weather—seasonable; sometimes cloudy. <i>Dalua</i> rice is being reaped. Ploughing has begun. Common rice sells at 20 seers per rupee in town, and 25 to 30 seers in the interior. Public health generally good.
	39 Pooree, " 7 "	Nil	Weather—seasonable. Land is being ploughed. Early <i>dalua</i> crop is being harvested. Common rice 27 seers 4 chittacks per rupee in the Sudder sub-division, and 23 seers 13 chittacks in the Khoorda sub-division. Cases of cholera reported from the mofussil.
	40 Balasore, " 8 "	0.14	Weather—seasonable. Ploughing goes on. Prospects of crops good. A few isolated cases of cholera; public health otherwise good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
41	Hazaribagh, April 8, '87	Nil	Weather—seasonable. Harvesting of <i>rubbee</i> completed; outturn fair. Opium all gathered. Prospects of mango bad. General health good.
42	Lohardugga, " 9 "	0.31	Weather—cloudy and warm. Harvesting of <i>rubbee</i> continues. Prices as before. Cholera reported from Palamow; otherwise public health good.
43	Singbhoom, " 8 "	Insufficient for registration.	Weather—cloudy and cool. Slight rain on night of 7th and morning of 8th. No crops on the ground except <i>boro</i> paddy, which is flowering. Sugarcane is being transplanted in parts. <i>Mahua</i> falling; a yield of 12 annas expected. Public health good.
44	Manbhoom, " 9 "	Nil	Weather—hot and cloudy. Storms in the neighbourhood, but have not broken at head-quarters. Sugarcane is being planted. <i>Mahua</i> dropping; outturn about 10 annas. Cotton buds opening, and fair outturn expected. Rice cheap. Public health good.

Published for general information.

CALCUTTA, REVENUE DEPT.;  
The 12th April 1887.P. NOLAN,  
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of October 1886.

## IMPORTS INTO CALCUTTA.

Place imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILS SEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard-seed.				Drained.	Un-drained.	Bis-path.	Other kinds.
	Rice.	Paddy.	Total (in rice).															
BENGAL.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burduwan ...	82,028	3,567	84,257	609	4,338	269	89,533	410	15,225	954	266	486	55	124	...	...	372	
Burduwan ...	25,459	3	25,461	...	...	...	25,461	...	9,065	...	...	...	197	...	...	...	...	
Burduwan ...	91,395	13,613	99,528	20	...	...	99,548	7	625	164	68	...	54	388	...	...	163	
Burduwan ...	38,723	5,651	42,255	14,539	4,851	932	63,577	45,334	183,295	22,666	20,236	...	874	2	394	7,075	10,514	
Burduwan ...	1,26,454	14,164	1,35,307	167	103	...	1,35,577	1,11,007	167,795	...	...	...	976	...	8,748	6,426	12	
Burduwan ...	6,012	...	6,012	6,440	32,168	517	45,137	79,377	1,501	7,699	1,383	972	1	135	165	2,958	2,980	
Burduwan ...	5,993	4,400	8,743	...	1,200	...	9,943	20,147	...	...	...	...	...	...	385	2,175	409	
Burduwan ...	17,567	600	17,732	...	2,025	136	19,893	43,418	1,120	...	800	...	6	...	500	5,095	2,165	
Burduwan ...	2,229	...	2,229	15,390	19,450	1,394	38,472	3,515	...	3,987	1,338	...	...	682	...	...	108	
Burduwan ...	1,00,362	...	1,00,362	225	120	...	1,00,707	17,190	77,235	...	...	...	...	...	...	...	201	
Burduwan ...	14,243	...	14,243	1,831	8,878	...	24,952	85,495	...	2,095	321	...	...	...	...	...	...	
Burduwan ...	1,178	...	1,178	40	...	...	1,218	1,32,726	105,105	...	80	...	...	...	...	...	...	
Burduwan ...	20,134	...	20,134	...	...	...	20,134	14,783	...	...	...	...	...	...	...	516	21,957	
Burduwan ...	681	200	806	622	2,550	4	3,982	5,25,913	551,250	844	3,390	...	...	...	908	...	87	
Burduwan ...	...	...	...	...	...	...	...	40,354	372,050	...	...	...	...	...	...	...	...	
Burduwan ...	650	...	650	418	110	...	1,178	3,14,334	280	...	410	...	...	...	...	...	347	
Burduwan ...	4,925	...	4,925	48	2,526	...	7,499	4,61,052	140	...	758	110	350	19	...	...	...	
Burduwan ...	1,42,389	...	1,42,389	...	550	...	1,42,939	13,179	...	677	...	...	...	...	...	...	...	
Burduwan ...	854	...	854	600	1,214	90	2,758	46,769	...	923	...	...	...	...	...	...	...	
Burduwan ...	500	...	500	...	...	...	500	1,525	...	800	344	...	150	...	...	...	...	
Burduwan ...	162	...	162	...	...	...	162	...	...	...	...	1,549	576	...	...	...	...	
Burduwan ...	6,555	...	6,555	...	...	...	6,555	45	...	...	100	...	175	...	...	...	...	
Total of Bengal ...	6,88,283	41,598	7,14,382	40,793	80,188	3,462	8,33,725	19,59,571	1,481,736	41,609	29,494	28,216	3,912	1,478	11,840	25,074	578	45,043
BEHAR.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burduwan ...	251	...	251	1,51,761	71,085	7,143	2,30,240	...	1,610	1,29,101	23,445	...	...	...	607	...	...	2,501
Burduwan ...	...	...	...	2,493	...	...	2,493	...	140	1,392	...	...	...	...	...	...	...	15
Burduwan ...	602	...	602	17,056	12,442	2,432	33,222	...	490	7,497	15	...	...	...	...	...	...	...
Burduwan ...	100	...	100	338	...	...	438	...	245	2,398	1,832	...	...	...	...	...	...	...
Burduwan ...	8	...	8	417	1,754	178	2,357	...	905	39,277	11,675	...	...	...	...	...	...	...
Burduwan ...	...	...	...	700	700	1,711	3,111	...	210	412	870	...	...	...	...	...	...	...
Burduwan ...	2	...	2	6,543	...	...	6,543	...	...	10,228	2,750	...	...	...	...	...	...	...
Burduwan ...	2	...	2	36,506	40,279	305	76,152	...	1,08	26,240	17,997	...	...	...	...	...	...	...
Burduwan ...	40	...	40	41,806	4,617	8,275	51,638	409	...	9,833	22,142	...	...	...	...	...	...	...
Burduwan ...	...	...	...	6,242	3,413	805	10,460	3,578	17,455	3,813	6,840	150	...	...	...	...	...	...
Burduwan ...	...	...	...	11,706	9,870	1,368	22,881	8,304	...	1,168	261	...	...	...	...	...	...	...
Burduwan ...	...	...	...	30,916	4,986	620	36,522	...	1,120	5,157	6,808	...	...	...	...	...	...	...
Total of Behar ...	1,095	...	1,095	3,06,144	1,49,046	22,774	4,79,069	12,291	23,455	2,36,486	94,640	150	27	181	607	395	20	7,831
CHOTA NAGPORE.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burduwan ...	16,835	2,372	18,317	1,177	2,221	...	21,715	134	1,400	...	204	...	...	...	5	...	...	216
Burduwan ...	...	...	...	...	...	...	...	...	1,085	...	273	503	...	234	...	...	...	...
Burduwan ...	2	...	2	...	...	...	2	...	140	...	...	...	...	...	...	...	...	...
Total of Chota Nagpore ...	2	...	2	...	...	...	2	...	1,225	...	273	503	...	234	...	...	...	...
GRANDE PROVINCES.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Burduwan ...	82,300	...	82,300	1,59,648	67,585	2,855	2,30,088	400	...	5,200	4,481	90,690	165	13	...	...	...	...
Burduwan ...	...	...	...	...	...	...	...	...	630	42,937	9,288	422	15,399	60	34	247	...	...
Burduwan ...	13	...	13	...	4,075	1,616	5,704	...	...	...	273	633	965	4	...	...	...	...
Burduwan ...	...	...	...	...	541	8	551	...	...	...	...	...	...	...	...	...	...	...
Burduwan ...	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Burduwan ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Burduwan ...	226	...	226	...	...	...	...	...	950	...	...	...	...	...	...	...	...	...
Total of 1886 ...	7,88,758	43,970	8,16,239	5,07,764	3,03,656	30,923	16,58,582	19,72,465	1,512,596	3,26,232	1,38,653	1,20,666	38,413	2,010	18,579	25,716	548	51,314
Imports ... 1885	7,98,966	89,699	8,55,018	9,58,979	3,40,220	21,233	21,75,459	20,56,519	1,555,998	4,54,806	1,90,580	1,25,967	28,570	2,455	39,249	44,471	5,590	48,610

\* One maund of paddy is equivalent to 25 seers of rice.

† Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of October 1886, was as follows:—

Imported from Calcutta—	Indian ports.	Other ports in India.	British Burmah.	Other Indian.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.	Other ports.
Burduwan ...	47,251	57	47,287	376	114	...	47,777	...	1,420,610	...	...	323	...	...	679	...	...	...	...
Burduwan ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Burduwan ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Burduwan ...	35,913	1,194	34,658	169	15,217	...	50,144	5,088	190,560	...	...	2	...	16	3	...	...	...	...
Burduwan ...	2,290	...	2,290	934	23,769	2,704	29,697	45	490,550	...	...	396	58	2	1,250	250	...	...	23,991
Burduwan ...	19,102	...	19,102	30	2,013	...	21,145	...	100,800	...	...	1	2	6	2,218	...	...	...	2,164
Burduwan ...	...	...	...	163	310	...	472	...	5,800	...	...	...	...	...	...	...	...	...	...
Total of Inter-trade ...	1,02,559	1,251	1,03,341	1,770	1,35,530	3,702	2,44,335	5,133	2,340,860	...	...	1	723	58	215	4,181	258	...	26,155
Foreign ports—	74,061	...	74,061	7,01,878	11,486	...	7,87,425	10,31,811	635,156	4,06,425	61,113	1,21,129	10,311	263	...	...	...	...	4,604
Foreign ports—	3,69,193	2,299	3,70,639	2,77,478	22,334	15,970	6,86,412	3,14,767	2,256,751	24,806	3,950	3,411	2,871	831	...	...	...	...	3,470
Foreign ports—	4,43,254	2,299	4,44,691	9,79,356	33,820	15,970	14,79,837	13,46,578	2,891,907	4,31,231	65,063	1,24,533	13,082	1,093	...	...	...	...	8,074
Total of 1886 ...	5,43,813	3,550	5,48,032	9,81,126	1,69,340	19,072	17,18,170	13,51,711	5,232,787	4,31,231	65,064	1,23,256	13,140	1,308	4,181	258	...	...	34,229
Imports ... 1885	6,14,363	7,771	6,19,100	7,79,077	1,00,390	14,160	15,12,799	5,45,484	6,580,812	7,46,905	226,978	97,565	3,433	1,763	3,445	105	...	...	17,179



The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of October 1886.

## IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Drain- ed.	Un- drained.	Bis- path.	Other kinds.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
By country boats ...	5,83,326	31,799	99,562	1,10,237	21,381	6,42,981	381,951	1,06,975	94,622	.....	2,327	272	6,226	18,634	32	20,709
" river steamers ...	7,481	133	40	108	...	3,75,246	...	195	176	67,395	105	176	121	...	...	33
" East Indian Railway ...	98,536	2,617	4,06,686	1,81,629	9,078	...	32,585	2,18,088	39,446	2,323	14,657	1,676	261	642	...	1,616
" Eastern Bengal State Railway ...	45,092	.....	1,094	11,682	256	8,60,107	1,070,860	971	.....	40,505	1,106	146	210	4,645	516	23,328
" road ...	38,364	7,649	167	.....	.....	94,122	21,650	.....	.....	.....	266	.....	5,655	1,795	...	5,254
" sea ...	15,959	2,372	215	.....	208	.....	2,350	.....	204	1,560	19,892	40	6,098	.....	...	412
Grand total of Imports in October ...	7,88,758	43,970	5,07,764	3,03,636	30,923	19,72,456	1,512,396	3,26,232	1,38,653	1,11,686	38,413	2,010	18,579	25,716	548	51,314
" 1885 ...	7,98,956	89,699	9,08,079	3,40,229	21,233	20,56,519	1,535,998	6,55,806	1,90,580	1,25,967	28,570	2,453	39,240	44,471	5,590	48,619

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of October 1886.

## EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.				European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.		Rs.	Rs.	Mds.	Mds.	Mds.	No.
<b>BENGAL.</b>							<b>CHOTA NAGPORE.</b>						
Burdwan ...	1,76,736	1,870	589	1,217	21,536	53,677	Hazareebagh ...	55,881	.....	13	305	4,171	2,366
Beerbhoom ...	52,983	119	72	352	9,325	31,850	Manbhoom ...	48,762	1,540	13	1,607	6,928	990
Midnapore ...	1,19,713	1,700	1,802	.....	6,338	4,564	Total of Chota Nagpore ...	1,04,643	1,540	25	1,812	11,129	3,156
Hooghly ...	67,851	6,210	1,348	63	935	46,707	Grand Total of supplies into the provinces under the Lieutenant-Governor of Bengal.	63,64,411	71,889	15,286	8,432	5,51,803	7,32,391
24 Pergunnahs ...	1,31,018	7,709	432	.....	10,097	38,585	<b>OTHER PROVINCES.</b>						
Nudda ...	1,64,802	.....	1,565	.....	22,095	12,905	Assam ...	3,25,199	.....	899	.....	38,800	.....
Khulna ...	6,540	.....	98	.....	5,006	420	North-Western Provinces and Oudh ...	28,52,110	18,926	2,403	788	22,348	205,660
Jessore ...	39,138	.....	516	.....	17,409	840	Punjab ...	12,72,411	1,439	1,413	7	.....	34,735
Moorsshedabad ...	19,912	5,300	73	.....	18,625	5,125	Central Provinces ...	20,100	110	188	.....	.....	41,235
Dinapore ...	81,774	.....	88	.....	2,727	4,700	Rajputana States ...	62,413	669	227	.....	.....	11,505
Kajshahye ...	1,58,067	.....	129	.....	16,164	665	Bombay ...	8,660	220	.....	19	.....	1,429,610
Rungpore ...	2,39,022	.....	248	.....	7,550	6,650	Madras ...	.....	159	1,944	.....	.....	398,100
Borra ...	89,649	.....	62	.....	1,435	969	Nizam's Territory ...	92,929	.....	.....	.....	.....	18,900
Pubea ...	1,75,833	.....	573	.....	8,861	429	Sind ...	.....	.....	.....	.....	.....	.....
Darjeeling ...	39,060	110	56	.....	49,325	2,555	Bera ...	2,331	.....	.....	.....	.....	.....
Julpigoree ...	98,154	.....	102	.....	24,977	490	Pandicherry ...	.....	.....	.....	.....	.....	.....
Dacca ...	5,30,208	.....	1,400	.....	16,475	1,000	British Burmah ...	2,10,062	36	1,012	1,235	.....	406,550
Furzedpore ...	1,67,334	.....	1,098	.....	33,509	.....	Other places ...	8,779	416	10	1,332	1	2,891,507
Backergunge ...	83,844	229	.....	.....	4,850	.....	Grand Total of Exports in October ...	1,12,19,676	93,831	23,292	11,813	6,13,132	6,147,300
Mymensingh ...	88,767	.....	117	.....	25,700	.....	" 1885 ...	1,60,55,272	93,691	25,286	13,792	8,82,112	8,529,548
Tipperah ...	.....	.....	.....	.....	3,000	.....							
Chittagong ...	1,24,139	.....	208	.....	.....	.....							
Noakhali ...	7,251	.....	8	.....	.....	.....							
Total of Bengal ...	26,55,790	21,289	10,518	1,632	3,27,947	240,509							
<b>BEHAR.</b>													
Patna ...	7,25,634	10,670	231	429	64,103	196,392							
Gya ...	2,76,192	1,540	72	437	8,724	12,490							
Shahabad ...	1,13,331	600	5	380	12,551	16,389							
Mozufferpore ...	2,62,017	1,321	.....	65	3,708	4,025							
Murhanga ...	7,24,563	2,970	79	879	29,109	27,285							
Sarun ...	1,06,596	.....	23	146	2,858	32,915							
Chumpan ...	6,09,462	1,210	.....	156	16,701	19,495							
Monghyr ...	1,36,206	5,399	10	494	8,115	59,795							
Bhagupore ...	1,22,913	19,030	78	655	19,814	40,737							
Madanah ...	1,27,386	4,620	99	579	9,799	735							
Maidah ...	.....	.....	.....	.....	5,200	1,290							
South Pergunnahs ...	1,54,728	1,659	56	688	23,065	31,080							
Total of Behar ...	34,37,028	49,060	657	4,908	2,63,779	433,499							
<b>ORISSA.</b>													
Cuttack ...	.....	.....	.....	.....	.....	12,500							
Balasore ...	1,65,950	.....	4,086	80	9,638	62,609							
Total of Orissa ...	1,65,950	.....	4,086	80	9,638	75,100							

The Sea-borne Trade of Calcutta in these Staples during the month of October 1886 was as follows:—

	Rs.*	Rs.	Mds.	Mds.	Mds.	No.
<b>IMPORTED INTO CALCUTTA—</b>						
From Foreign Ports—						
United Kingdom ...	95,26,121	.....	7,406	.....	4,20,299	.....
Other Foreign ports ...	7,609	.....	632	.....	1,06,904	650
Total of Foreign Trade ...	95,94,821	.....	8,038	.....	5,27,196	650
From Indian Ports—						
Bombay ...	10,672	3,13,785	10	3,652	52,688	.....
Madras ...	850	17,983	5	.....	.....	.....
Other ports in Madras ...	.....	139	.....	.....	.....	.....
British Burmah ...	1,489	400	.....	.....	.....	.....
Other Indian ports ...	200	.....	.....	.....	.....	1,400
Total of Interport Trade ...	12,702	3,32,367	15	3,652	52,688	1,400
Grand Total of Im-ports in October ...	96,07,523	3,32,367	8,053	8,652	6,39,884	2,350
" 1885 ...	91,99,843	3,89,776	10,318	5,172	6,95,688	2,600

\* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of October 1886.

SPECIFICATION OF ROUTES.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
By country boats ...	1,35,775	7,152	2,464	.....	3,17,070	104,015
" river steamers ...	5,49,695	9,760	2,223	439	18,540	60,694
" East Indian Railway ...	78,83,946	67,439	5,610	8,645	2,23,229	708,900
" Eastern Bengal State Railway ...	18,91,575	330	4,968	.....	58,212	20,922
" road ...	1,52,730	8,527	767	63	4,444	6,250
" sea ...	6,15,045	602	7,200	2,666	9,030	5,232,707
Grand Total of Exports in October ...	1,12,19,676	93,831	23,292	11,813	6,13,132	6,147,300
" 1885 ...	1,60,55,272	93,691	25,286	13,792	8,82,112	8,529,548

STATISTICAL DEPARTMENT,  
The 7th April 1887.

P. NOLAN,  
Secretary to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 3rd to 9th April 1887.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 29° Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Miles recorded.	Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.				
1887.		O		Inches.	O	O		O	O	Inches	O	%				Inches.	
April	3rd	147.1	7.9	29.884	80.7	91.4	19.9	71.5	72.1	0.674	67.5	67	SSE and SSW	...	86	Nil	Partially cloudy
"	4th	145.8	10.4	.844	80.8	91.7	20.9	70.8	70.6	.616	64.8	62	SW by W and W	...	91	"	Clear, <i>P.</i>
"	5th	148.9	9.9	.853	81.5	93.7	22.5	71.2	72.6	.685	68.0	67	SSW and SW	...	147	"	Clear, <i>P.</i>
"	6th	146.6	9.8	.877	81.0	91.3	19.1	72.2	72.9	.706	68.8	69	S by W and SSW	...	173	"	Clear, <i>P.</i>
"	7th	153.5	7.7	.834	80.5	91.7	21.5	70.2	71.1	.636	65.8	64	SSW and S	...	169	"	Partially cloudy, <i>P.</i>
"	8th	96.2	Nil	.871	75.7	78.5	8.2	70.3	70.6	.684	67.9	77	ESE and variable	...	61	Not measurable.	Cloudy, o, g, t, d.
"	9th	153.6	8.7	.846	79.7	89.1	20.9	68.2	73.2	.731	69.8	72	SSW and variable	...	85	Nil	Chiefly cloudy.

The mean pressure of the seven days	...	...	...	Inches.
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	...	29.858
The total number of hours of bright sunshine	...	...	...	Hours.
The maximum possible number of hours of sunshine	...	...	...	54.4
				87.1
				O
The mean temperature of the seven days	...	...	...	80.0
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	...	84.4
The extreme variation of temperature	...	...	...	25.5
The maximum temperature	...	...	...	93.7
				Miles.
The highest velocity of the wind in one hour	...	...	...	16
				lb.
The highest pressure of wind on one square foot	...	...	...	Not measurable.
				%
The mean relative humidity	...	...	...	68
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	...	68
				Inches.
The total fall of rain from 3rd to 9th April 1887	...	...	...	Nil.
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	...	0.44
The total fall from 1st January to 9th April 1887	...	...	...	4.74
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	...	3.25

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, t thunder, d drizzling rain, *P.* dew.

HENRY F. BLANFORD,  
Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;  
Calcutta, the 11th April 1887.



## Meteorological Report of the Province.

METEOROLOGICAL DIVISION.	DISTRICT.	Representative stations.	STATION OBSERVATIONS.														
			AIR PRESSURE.					TEMPERATURE.					HUMIDITY.		CLOUD.		
			Highest, 10 A.M., barometer reading of month.	Lowest, 10 A.M., in round thermometer of month.	Mean, 10 A.M., for month.	Mean, reduced to sea-level.	Variation from normal mean.	Highest of month.	Lowest of month.	Mean daily maximum temperature.	Mean daily minimum temperature.	Mean daily temperature.	Variation from normal mean.	Mean, 10 A.M., humidity.	Variation from normal mean.	Mean cloud amount, 10 A.M.	Variation from normal mean, 10 A.M.
ORISSA.	Pooree	Gopalpore	29.940	29.754	29.821	29.911	—	86.2	65.9	83.9	75.8	79.9	—	77†	—	0.9	—
		False Point	29.970	29.777	29.897	29.919	—0.49	99.5	66.0	86.7	73.7	80.2	—0.1	72	—11	4.8	+2.2
	Cuttack	Cuttack	29.909	29.690	29.826	29.908	—0.43	101.9	67.3	96.0	73.8	84.9	—0.4	59†	—39	3.0	+0.7
		Balasore	Balasore	29.931	29.707	29.843†	29.902†	—	90.9	62.1	85.7†	71.2	78.5†	—	60	—	0.7
SOUTH-WEST BENGAL.	South-West Midnapore and South 24-Pergunnahs.	Saugor Island	29.973	29.768	29.894	29.920	—0.41	95.2	66.9	87.7	76.2	82.0	—1.2	81	+3	4.6	+1.1
		Midnapore	29.832	29.622	29.740	29.900	—	101.3	63.2	94.0	69.7	82.2	—	45	—	2.1	—
	24-Pergunnahs, Howrah, and Hooghly.	Calcutta	29.968	29.791	29.887	29.949	—0.48	95.5	61.2	89.7	70.6	80.1	—0.1	62	—7	2.3	+0.7
		Burdwan	29.887	29.699	29.809	29.910	—0.34	98.5	60.9	93.4	67.1†	80.3†	—0.7†	43	—12	2.4	+0.2
	Bankoora	29.959	29.461	29.581	—	—	99.1	62.7	94.2	68.4	81.3	—	43	—	1.1	—	
	West Burdwan and Beerbhoom.	Ranagunj	29.964	29.446	29.572	—	—	99.7	62.1	94.5	67.2	80.9	—	41	—	0.8	—
	Moorshedabad	Barhampore	29.924	29.682	29.837	29.905	—0.32	95.7	60.2	89.7	66.1	77.9	—1.8	46	—1	3.2	+0.4
	Nuddea	Krishnagar	29.927	29.720	29.854	—	—	97.3	55.9	91.8	65.5	78.7	—	49	—	2.4	—
	Jessore and Khoolna	Jessore	29.965	29.748	29.883	29.917	—0.29	98.3	62.5	91.8	68.4	80.1	—0.5	61	—2	3.4	+0.6
	EAST BENGAL.	Chittagong	Chittagong	29.924	29.781	29.863†	29.934†	—0.25†	96.6	61.5	84.0	68.4	76.2	—0.8	75	+1	5.5
Chittagong Hill Tracts		Demagri	Observations not received.														
Backergunj		Barrisal	29.982	29.797	29.909	29.921	—	92.3	63.1	87.0	70.8	78.9	—	73	—	3.8	—
Noakholly		Noakholly	29.914	29.758	29.893	29.937	—	96.0	63.9	84.8	68.8	76.8	—	66	—	2.6	—
Furreedpore		Furreedpore	29.961	29.737	29.846	—	—	88.0	59.8	82.7	65.6	74.1	—	60	—	1.6	—
Dacca		Dacca	29.970	29.773	29.898	29.921	—0.17	95.1	62.9	89.0	68.6	78.8	—0.5	64	—4	4.2	+1.2
Tipperah		Comillah	29.956	29.803	29.893	29.939	—	93.3	63.9	87.7	68.7	78.2	—	76	—	4.7	—
Mymensingh		Mymensingh	29.973	29.757	29.880	—	—	90.3	59.1	84.1	64.9	74.5	—	74	—	4.7	—
Bogra		Bogra	29.926	29.697	29.824	29.888	—	94.3	55.4	87.2	65.6	75.4	—	59	—	3.1	—
Pubna		Serajgunj	29.938	29.742	29.853	29.900	—	94.2	55.5	87.2	63.6	75.4	—	67†	—	3.0	—
NORTH BENGAL.	Rajshahye	Rampore Beaulah.	29.926*	29.769*	29.851*	29.903*	—	95.3	57.7	88.9	63.7	76.3	—	47†	—	1.3	—
	Maldah	Maldah	29.834	29.610	29.735	—	—	94.1	53.1	83.8	60.7	74.8	—	48	—	1.8	—
	Dinagopore	Dinagopore	29.880†	29.624†	29.768†	29.899†	—	93.6	52.2	88.3	61.3	74.8	—	46	—	1.7	—
	Rungpore	Rungpore	29.890*	29.621*	29.777*	29.904	—	90.6	59.5	80.4	61.0	73.7	—	55	—	0.7	—
	Julpigoree and Cooch Behar.	Julpigoree	29.721	29.432	29.621	29.915	—	90.0	52.9	84.5	61.2	72.9	—	59	—	2.3	—
	Darjeeling Hill Tracts...	Darjeeling	29.968	29.856	29.965	—	—0.34	99.9	39.1	55.1	42.1	48.6	—1.7	76	+3	4.7	—0.5
	Purneah and North Bhagulpore.	Purneah	29.894	29.632	29.781	29.910	—0.21	93.2	50.8	88.4	59.7	74.1	—1.9	49	—6	1.3	—0.1
	Mozufferpore	Mozufferpore	Observations suspended.														
	Durbhunga	Durbhunga	29.845	29.579	29.728	29.899	—0.26	90.4	56.6	87.2	61.8	75.0	—0.4	53	0	0.6	—1.2
	Chumparun	Motihari	29.747	29.503	29.650	29.882	—	91.5	48.8	87.9	57.9	72.9	—	47	—	1.5	—
SOUTH BENGAL.	Sarun	Chupra	29.787	29.547	29.684	—	—	95.5	—	89.6	—	—	—	44	—	1.0	—
		Dehree	29.639	29.405	29.544	29.901	—	93.4	61.0	88.7	63.4†	77.0†	—	33	—	0.5	—
	Shahabad	Buxar	29.720	29.511	29.647	29.891	—	94.9	55.9	89.9	63.1	75.5	—	36	—	0.9	—
		Arrah	29.770	29.555	29.676	29.876	—	97.4	56.8	91.0	61.4	76.2	—	41	—	1.0	—
	Gya	Gya	29.604	29.364	29.495	29.874	—0.66	98.7	60.1	91.5	66.9	79.7	—0.1	49	+12	1.0	—1.2
	Paina	Bankipore	29.826	29.663	29.742	29.898	—0.36	94.8	57.7	89.5	62.8	76.2	—1.1	47	+1	1.4	—1.6
	South Bhagulpore and Monghyr.	Bhagulpore	29.824	29.582	29.718	29.882	—	91.4	56.0	88.6	62.6	75.6	—	46	—	1.1	—
	Sonthal Pergunnahs	Naya Doomka...	29.486	29.224	29.382	—	—	96.7	57.0	91.3	65.0	78.2	—	57	—	0.2	—
	Hazaribagh	Hazaribagh	27.973	27.740	27.888	29.852	—0.28	94.3	58.6	88.9	63.1	76.0	+0.1	26	—9	0.4	—2.1
	Joharunga and Manbhoom.	Ranchee	27.832	27.621	27.758	29.874	—	95.5	61.6	89.5	61.8	75.7	—	42	—	0.4	—
Singbhoom	Chaibassa	29.207	28.955	29.124	—	—	163.0	60.3	90.1	67.9	82.0	—	41	—	0.3	—	

\* Mean for 29 days.

† Mean for 27 days.

‡ Mean for 30 days.

Bengal for the month of March 1887.

DISTRICT OBSERVATIONS.											Representative stations.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.													
Of month.					Since 15th May 1886.								
Mean of district.	Normal mean.	Variation from mean.	Number of rainy days.	Normal mean number of rainy days.	Mean of district.	Normal mean.	Variation.	Mean number of rainy days.	Normal number of rainy days.				
0.62	0.89	-0.37	1.8	2.4	61.96	57.71	+4.25	103.5	87.4	Gopalpore ...	Pooree ...	ORISSA.	
1.03	1.16	+0.47	3.6	2.4	65.60	53.68	+12.01	100.2	82.6	Palee Point ...	Cuttack ...		
2.20	1.29	+0.91	3.0	2.8	60.04	56.13	+3.91	82.9	83.1	Cuttack ...	Balasore ...		
2.28	1.25	+1.03	3.7	2.2	54.47	65.81	-11.35	93.7	90.2	Balasore ...	South-West Midnapore and South 24-Pergunnahs.		
2.59	1.59	+1.00	4.3	2.8	49.17	54.60	-5.43	96.4	76.2	Saugor Island ...	Midnapore ...	SOUTH-WEST BENGAL.	
3.61	1.40	+2.21	2.5	3.2	60.84	54.69	+6.15	92.6	97.1	Midnapore ...	24-Pergunnahs, Howrah, and Hooghly.		
4.12	1.30	+2.82	3.3	2.9	57.19	48.76	+8.43	86.3	81.1	Calcutta ...	Burdwan ...		
1.75	1.15	+0.60	2.5	2.8	54.86	54.06	+0.80	97.4	86.7	Burdwan ...	Bankoora ...		
2.90	0.56	+1.44	2.0	2.0	68.07	53.38	+15.29	101.6	87.3	Bankoora ...	West Burdwan and Beerbhoom.		
3.53	0.75	+2.78	3.5	2.2	64.52	50.56	+13.96	101.6	81.8	Ranigunj ...	Moorshedabad ...		
4.96	1.59	+3.37	4.6	3.0	60.22	51.83	+8.39	87.8	83.4	Berhampore ...	Nuddea ...		
4.81	2.12	+2.69	3.8	3.7	63.06	56.89	+6.77	87.0	91.5	Krishnagar ...	Jessore and Khoolna ...		
4.90	1.99	+2.91	5.0	2.4	133.58	116.45	+17.13	118.5	112.9	Jessore ...	Chittagong ...		
5.72	2.66	+3.06	7.5	3.9	98.14	85.95	+12.19	130.5	120.5	Chittagong ...	Chittagong Hill Tracts		
3.71	2.09	+1.62	4.5	4.0	81.03	81.20	+0.43	115.6	112.7	Demagri ...	Backergunj ...	EAST BENGAL.	
10.58	3.14	+7.44	6.5	5.2	128.54	113.13	+15.41	114.5	116.9	Barrisal ...	Noakhooly ...		
4.60	2.48	+2.21	6.3	4.3	65.34	59.82	+5.52	91.3	94.7	Noakhool ...	Furreedpore ...		
4.62	2.81	+1.81	5.8	4.3	81.07	62.63	+19.04	105.5	97.8	Furreedpore ...	Dacca ...		
6.54	3.80	+2.84	7.3	5.3	84.13	75.87	+8.26	108.0	106.0	Dacca ...	Tipperah ...		
4.83	1.86	+2.97	7.6	3.8	72.52	70.35	+2.17	95.0	95.9	Commillah ...	Mymensingh ...		
4.11	0.88	+3.23	6.5	2.2	70.53	58.05	+12.47	89.6	82.0	Mymensingh ...	Bogra ...		
5.85	1.92	+4.63	6.0	3.1	65.61	55.85	+9.74	106.0	84.7	Bogra ...	Pubna ...		
3.98	0.73	+2.36	5.0	2.1	62.85	55.46	+7.37	81.0	81.7	Serajgunj ...	Rajshahye ...		
6.72	0.61	+0.11	2.0	1.8	63.45	54.85	+8.60	89.5	88.5	Rampore Beau- lah.	Maldah ...	NORTH BENGAL.	
1.67	0.59	+1.08	2.6	1.7	75.75	54.80	+20.95	93.0	79.7	Maldah ...	Dinagore ...		
2.59	1.31	+1.28	3.3	2.2	76.41	75.21	+1.20	85.7	80.1	Dinagore ...	Rangpore ...		
3.09	1.75	+1.34	4.4	3.1	112.83	112.72	+0.11	106.8	101.8	Rangpore ...	Jalpigoree and Cooch Behar.		
2.50	1.99	+0.51	5.3	4.4	143.18	119.71	+24.27	133.8	117.9	Jalpigoree ...	Darjeeling Hill Tracts...		
0.73	0.45	+0.28	1.8	1.3	80.86	57.72	+23.14	92.9	71.4	Darjeeling ...	Purneah and North Bhagulpore.		
0.85	0.47	+0.38	1.7	1.4	61.96	43.03	+18.93	74.7	60.0	Purneah ...	Mozufferpore ...		
0.97	0.20	-0.23	0.7	1.2	63.20	43.85	+19.35	76.0	59.0	Mozufferpore ...	Durbhunga ...		
0.13	0.40	-0.27	1.5	1.2	82.17	46.34	+15.83	72.5	55.1	Durbhunga ...	Motihari ...		
0.29	0.21	+0.08	1.7	1.1	63.22	42.23	+20.99	71.6	59.4	Motihari ...	Chupra ...	NORTH BENGAL.	
0.65	0.37	+0.28	1.8	1.5	56.88	40.23	+16.65	72.8	64.5	Chupra ...	Shahabad ...		
0.71	0.39	+0.32	1.5	1.5	60.53	40.98	+25.55	80.2	59.1	Dehree ...	Gya ...		
1.07	0.27	+0.80	2.3	1.3	62.23	41.07	+21.16	82.0	64.3	Buxar ...	Patna ...		
1.18	0.30	+0.88	1.8	1.2	62.06	42.94	+19.12	80.2	68.9	Arrah ...	South Bhagulpore and Monghyr.		
1.22	0.53	+0.69	2.3	1.5	72.62	49.96	+22.66	97.7	77.3	Bankipore ...	Sonthal Pergunnahs ...		
0.11	1.06	-0.95	0.8	2.4	58.89	51.52	+7.37	93.4	85.3	Naya Doomka...	Hazaribagh ...		
0.19	0.91	-0.81	1.0	2.8	50.43	49.12	+1.31	101.2	86.4	Hazaribagh ...	Lehardugga and Ma- homed.		
0.11	1.35	-1.24	1.0	3.2	43.02	51.24	-10.32	93.0	98.4	Raonee ...	Singbroom ...		
										Chaibassa ...		CHUTIA NAG.	



Table of Rainfall recorded at Station

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
ORISSA	Pooree	Pooree	...	...	...	...	...	...	...	0'12	...	...	...	...	...	...	...	...	...	...	...	...
		Khurda	...	...	...	...	...	...	0'16	...	...	...	...	...	...	...	...	0'08	...	...	...	...
		Bamnor	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		False Point	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gop	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pipli	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cuttack	Jacantsingapore	...	...	...	...	...	...	...	...	...	...	...	...	...	0'70	...	...	...	...	0'60	...
		Banki	...	...	...	...	...	...	...	...	0'91	...	...	...	...	...	...	0'81	...	...	...	0'38
		Cuttack	...	...	...	...	...	...	...	...	1'30	...	...	...	...	...	...	...	...	...	...	...
		Kendrapata	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
SOUTH-WEST BENGAL.		Jaipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'89	...	...	0'66	...
		Dharmasalla	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'55	...	...	...	1'22
		Satipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'50	...
	Balasore	Chandbali	...	...	...	...	...	...	...	...	...	...	...	...	...	0'10	...	...	...	...	...	
		Bhuddruck	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1'50	...	...	...	...	
		Sorah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'43	...	...	...	...	
		Balasore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'11	...	...	0'88	...	
		Jelasore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'95	...	...	...	
		Baripodah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'25	...	...	...	
		Midnapore	Contai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'65	...	...	...	
		Saugor Island	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Tumlook	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'10	...	...	...	
		Midnapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'65	0'20	...	...	
		Ghatol	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1'80	...	...	...	
		Devog	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Heria	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Bhagwanpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Garbeta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'29	...	...	...	
	24-Pergunnahs	Diamond Har-	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		bour.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Canning Town	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Alipore Jail	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'65	...	...	
		Barackpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'11	...	...	
		Dum-Dum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0'25	...	...	
		Baraset	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Buseerhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Howrah	Howrah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Mohesra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		(Ooloberiah).	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Hooghly	Serampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Hooghly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Jehanabad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Burdwan	Culina	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Burdwan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Culwa	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Rane-gunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Mankur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Bankeora	Bankeora	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Bishnupore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
			Maliara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Khatra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Indas	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Kotalpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Anda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Ganjalghati	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Ratpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Sonamukhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Bearbhoom		Bh. Soory	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Hetampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Rampore Haut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Polpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Nuddea	Ranachhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Kishnaghur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Choodanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Meherpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Kooshtea	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Khoolna	Satkhira	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Bagirhat	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Khoolna	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Jessore	Narail	...	...	...	...	...	0'13	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Jessore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Jheidah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Magoorah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Bongoug	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Moorshedabad	Kandi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Berhanpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Lalbasch	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Azimungue	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	EAST BENGAL		Jungipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Lalgola	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Akhriganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Chittagong		Cox's Bazar	...	...	0'31	0'61	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Chittagong	...	...	2'52	2'05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Kutabdia	...	...	0'22	1'43	0'67	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Sataanya	...	...	1'78	1'82	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Chittagong Hill Tracts.		Rangamati	...	...	0'35	2'15	0'80	...	...	0'86	...	...	...	...	...	...	...	...	...	...	...	
		Ruma	...	...	0'55	2'04	0'30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Backergunge		Patuakhally	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Perazepore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
		Bur'nal	0'12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Shola	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Gournaddi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Baiphai	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Noakhali	Noakhally	...	...	1'32	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Fenny	...	...	5'00	3'36	...	...	...	0'95	...	...	...	...	...	...	...	...	...	...	...	

[illegible]



Table of Rainfall recorded at Stations

Meteorological division.	District.	Station.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
EAST BENGAL —concld.	Noakholly— concld. Furreedpore...	Harishpore	...	1.49	...	...	...	...	...	...	...	...	...	...	...	...	0.50	...	...	...	...	...
		Ranganj	...	1.11	...	...	...	...	...	...	...	...	...	...	...	...	0.07	0.25	...	...	...	...
		Maduripore	0.22	...	...	...	...	...	...	...	...	...	...	...	...	...	0.05	0.30	0.32	...	...	...
		Furreedpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.30	...	0.09	...	...	...
		Goalundo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.47	0.61	...	...	...	...
	Dacca	Munshigunge	0.90	...	...	...	...	...	...	...	...	...	...	...	...	...	0.37	0.44	0.25	...	...	...
		Dacca	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.70	...	...	...	...	...
		Naraingunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.36	...	...	...	...	...
		Manickgunga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.02	...	...	...	...	...
		Joydebore	3.08	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Hill Tipperah	Agartola	...	...	0.65	...	...	...	0.83	...	...	...	0.94	1.94	...	0.33	...	...	...	...	...	...
		Comilla	...	1.33	...	...	...	...	2.55	...	...	...	...	...	...	...	0.05	0.34	...	...	...	...
		Chandpore	...	0.30	...	...	...	...	...	...	...	...	...	...	...	...	...	0.10	...	...	...	...
		Brahmunberia	...	2.60	...	...	...	...	0.59	...	...	...	...	...	...	...	0.31	...	...	...	...	...
		Ramchandrapore.	2.65	0.74	...	...	...	0.22	...	...	...	...	1.50	1.80	0.95	...	...	...	...	...	...	...
	Tipperah	Nasirnagar	...	1.80	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Daudkandi	0.11	0.04	...	...	...	...	1.03	...	...	...	...	...	...	...	0.78	...	...	...	...	...
		Kasba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Laksham	...	...	...	...	...	0.60	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Mymensingh	...	...	...	...	...	...	0.24	...	...	...	...	0.11	0.82	...	...	...	...	...	...	...
	Mymensingh	Kishoregunge	1.28	...	...	...	...	...	...	...	...	...	...	...	...	...	1.12	...	...	...	...	...
		Atia (Tangail)	0.58	...	...	...	...	...	...	...	...	...	...	0.50	1.07	0.21	0.45	...	...	...	...	...
		Mymensingh	2.23	0.02	...	...	...	...	...	...	...	...	...	0.08	0.04	...	0.10	...	...	...	...	...
		Jamailpore	1.91	...	...	...	...	...	...	...	...	...	...	0.27	...	...	0.48	...	...	...	...	...
		Netrokona	0.24	0.17	...	...	...	...	...	...	...	...	...	...	...	...	0.64	...	...	...	...	...
NORTH BENGAL	Pubna	Subornakhally	2.15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Durgapore	0.58	0.20	...	...	...	...	...	...	...	...	...	0.40	0.22	...	0.21	...	...	...	...	...
		Dewanganj	2.64	...	0.09	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Pubna	...	...	...	...	...	...	...	...	...	...	...	0.07	2.55	1.23	0.30	...	...	...	...	...
		Serajgunge	2.02	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Bogra	Sherpore	2.62	0.25	...	...	...	...	...	...	...	...	...	0.06	...	0.13	0.54	...	...	...	...	...
		Nowkhilla	3.03	...	...	...	...	...	...	...	...	...	...	...	...	...	0.30	...	...	...	...	...
		Bogra	1.88	0.03	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Panchbibi	0.92	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Rajshahye	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.47	...	...	...	...	...
	Rajshahye	Beaulah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1.00	...	...	...	...	...
		Natore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.54	...	...	...	...	...
		Saenon	2.00	...	...	...	...	...	...	...	...	...	...	...	...	...	1.33	...	...	...	...	...
		Lalpor	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Manda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Maldah	Maldah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...
		Chanchal	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.12	...	...	...	...	...
		Gajol	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.13	...	...	...	...	...
		Sibganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.39	...	...	...	...	...
		Dinagore	...	...	...	0.17	...	...	...	...	...	...	...	...	...	...	0.32	0.03	...	...	...	...
	Dinagore	Mohadehpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Churamon	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Raigunge	0.22	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Dinagore	0.05	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Balooghut	0.69	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Rangpore	Bhawanigunge	1.30	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gyabanda	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.03	...	...	...	...	...
		Rangpore	0.30	...	...	...	...	...	...	...	...	...	...	...	...	...	0.21	...	...	...	...	...
		Kurigram	0.31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.09	...	...	...	...
		Bardagra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NORTH BHAR	Julpigoree	(Nilphamari).	0.36	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Ulipore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Julpigoree	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.56	...	...	...	...	...
		Alipore Doar	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.31	...	...	...	...	...
		Falacotta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Cooch Behar	Dehiganj	...	0.03	...	...	...	...	...	...	...	...	...	...	...	...	0.06	0.30	...	...	...	...
		Dinhatta	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.11	0.21	...	...	...	...
		Cooch Behar	0.02	...	...	...	...	...	...	...	...	...	...	...	...	...	2.04	...	...	...	...	...
		Mickligunge	0.02	0.03	...	...	...	...	...	...	...	...	...	...	...	...	0.05	0.35	...	...	...	...
		Matabhanga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Darjeeling Hill	Buxa	...	...	...	...	...	...	...	...	...	...	...	0.65	...	1.16	...	...	...	...	...	...
		Siliguri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Darjeeling	...	0.02	0.03	0.04	...	...	...	...	...	...	0.30	0.55	0.01	...	...	...	...	...	...	...
		Kalimpang	...	...	0.18	0.11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Purneah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.30	...	...	...	...	...
	Purneah	Kissengunge	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.03	...	...	...	...	...
		Arracah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.03	...	...	...	...	...
		Purneah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Gandwara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.13	...	...	...	...	...
		Bularampore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NORTH BHAR	North Bhagulpore.	Matiari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Kaliaganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Maddapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...
		Sooopool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.40	...	...	...	...	...
		Protabganj	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Durbhunga	Tajpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.08	...	...	...	...	...
		Durbhunga	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Madhubani	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.10	...	...	...	...	...
		Bahera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Roshera	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Mozufferpore	Sitamarhi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.03	0.20	...	...	...	...
		Mozufferpore	...	...	...	...																

Bengal in March 1887—continued.

22	23	24	25	26	27	28	29	30	31	Number of rainy days.	Average number of rainy days.	Total rainfall for the month.	Average rainfall for the month.	Heaviest rainfall during the month.	Total rainfall from 1st January 1887 up to 31st March 1887.	Average rainfall from 1st January up to 31st March 1887.	Station.	District.	Meteorological division.
...	...	...	...	...	...	...	...	...	...	4	...	4.20	...	1.60	7.21	...	Harishpore...	Noakhally—concluded.	EAST BENGAL—continued.
...	...	...	...	...	...	...	...	...	...	7	...	5.87	...	1.98	7.94	...	Ramganj.	Farrakka.	
...	...	...	...	...	...	...	...	...	...	6	...	4.17	...	1.42	5.27	...	Madaripore...	Farrakka.	
...	...	...	...	...	...	...	...	...	...	7	...	3.95	...	1.32	4.24	...	Farrakka.	Farrakka.	
...	...	...	...	...	...	...	...	...	...	6	...	5.96	...	2.15	6.86	...	Goalundo.	Farrakka.	
...	...	...	...	...	...	...	...	...	...	7	...	4.81	...	1.43	6.01	...	Munshiganj.	Dacca.	
...	...	...	...	...	...	...	...	...	...	6	...	3.90	...	1.02	4.50	...	Dacca.	Dacca.	
...	...	...	...	...	...	...	...	...	...	6	...	4.13	...	1.70	5.44	...	Farangipore.	Dacca.	
...	...	...	...	...	...	...	...	...	...	4	...	5.65	...	2.16	6.53	...	Manikganj.	Dacca.	
...	...	...	...	...	...	...	...	...	...	6	...	6.06	...	3.08	8.27	...	Joydebpore.	Dacca.	
...	...	...	...	...	...	...	...	...	...	8	...	7.57	...	1.94	9.20	...	Agartola...	Hill Tipperah.	
...	...	...	...	...	...	...	...	...	...	7	...	7.40	...	2.55	8.99	...	Comilla...	Tipperah.	
...	...	...	...	...	...	...	...	...	...	6	...	4.20	...	2.10	5.70	...	Chandpur.	Tipperah.	
...	...	...	...	...	...	...	...	...	...	8	...	7.31	...	2.60	8.92	...	Brahmanbaria.	Tipperah.	
...	...	...	...	...	...	...	...	...	...	9	...	6.20	...	2.45	7.41	...	Ramchandrapore.	Tipperah.	
...	...	...	...	...	...	...	...	...	...	7	...	9.19	...	1.80	9.98	...	Nasirnagar.	Tipperah.	
...	...	...	...	...	...	...	...	...	...	5	...	3.17	...	1.47	4.26	...	Dandpandi.	Tipperah.	
...	...	...	...	...	...	...	...	...	...	6	...	4.13	...	1.04	5.58	...	Kasba.	Tipperah.	
...	...	...	...	...	...	...	...	...	...	3	...	1.96	...	1.16	3.48	...	Laksham.	Tipperah.	
...	...	...	...	...	...	...	...	...	...	8	...	3.81	...	1.28	5.18	...	Kishoreganj.	Myitthaingyi.	
...	...	...	...	...	...	...	...	...	...	6	...	4.10	...	1.12	5.60	...	Atia (Tangail).	Myitthaingyi.	
...	...	...	...	...	...	...	...	...	...	10	...	4.73	...	2.23	8.65	...	Mymensingh.	Myitthaingyi.	
...	...	...	...	...	...	...	...	...	...	5	...	2.42	...	1.30	3.60	...	Jamulpore.	Myitthaingyi.	
...	...	...	...	...	...	...	...	...	...	9	...	6.10	...	1.60	6.56	...	Netrokona.	Myitthaingyi.	
...	...	...	...	...	...	...	...	...	...	8	...	7.03	...	2.15	8.45	...	Subornakhal.	Myitthaingyi.	
...	...	...	...	...	...	...	...	...	...	4	...	4.33	...	1.53	6.05	...	Durgapore.	Myitthaingyi.	
...	...	...	...	...	...	...	...	...	...	4	...	3.01	...	2.64	3.70	...	Dewanganj.	Myitthaingyi.	
...	...	...	...	...	...	...	...	...	...	6	...	6.93	...	2.55	8.40	...	Pubna...	Pubna.	
...	...	...	...	...	...	...	...	...	...	6	...	4.76	...	2.62	6.17	...	Serajganj.	Pubna.	
...	...	...	...	...	...	...	...	...	...	9	...	5.61	...	2.62	7.12	...	Sherpore...	Bogra.	
...	...	...	...	...	...	...	...	...	...	9	...	5.19	...	2.63	6.44	...	Nowkhilla.	Bogra.	
...	...	...	...	...	...	...	...	...	...	6	...	4.13	...	1.88	5.31	...	Bozra.	Bogra.	
...	...	...	...	...	...	...	...	...	...	2	...	1.52	...	0.92	2.63	...	Panchbibi.	Bogra.	
...	...	...	...	...	...	...	...	...	...	4	...	2.78	...	1.47	3.98	...	Beaulah...	Rajshahye.	
...	...	...	...	...	...	...	...	...	...	6	...	3.38	...	1.00	5.16	...	Natore.	Rajshahye.	
...	...	...	...	...	...	...	...	...	...	5	...	3.38	...	2.60	5.20	...	Naogaon.	Rajshahye.	
...	...	...	...	...	...	...	...	...	...	4	...	3.40	...	1.33	5.60	...	Lalpur.	Rajshahye.	
...	...	...	...	...	...	...	...	...	...	2	...	1.63	...	0.55	1.90	...	Manda.	Rajshahye.	
...	...	...	...	...	...	...	...	...	...	2	...	0.83	...	0.75	2.25	...	Maldah...	Maldah.	
...	...	...	...	...	...	...	...	...	...	1	...	0.60	...	0.48	2.09	...	Chanchal.	Maldah.	
...	...	...	...	...	...	...	...	...	...	2	...	0.64	...	0.51	1.96	...	Gajol.	Maldah.	
...	...	...	...	...	...	...	...	...	...	3	...	1.88	...	1.13	4.25	...	Sibganj.	Maldah.	
...	...	...	...	...	...	...	...	...	...	5	...	2.17	...	1.10	4.08	...	Mohadebpore...	Dinapore.	
...	...	...	...	...	...	...	...	...	...	2	...	1.6	...	0.91	2.90	...	Churamon.	Dinapore.	
...	...	...	...	...	...	...	...	...	...	2	...	2.05	...	1.83	4.20	...	Raigunge.	Dinapore.	
...	...	...	...	...	...	...	...	...	...	2	...	2.69	...	0.79	2.91	...	Dinapore.	Dinapore.	
...	...	...	...	...	...	...	...	...	...	2	...	1.98	...	0.69	2.61	...	Balioorhat.	Dinapore.	
...	...	...	...	...	...	...	...	...	...	4	...	2.71	...	1.44	3.74	...	Bhawaniganj (Gyabanda).	Rungpore.	
...	...	...	...	...	...	...	...	...	...	3	...	2.15	...	1.81	4.69	...	Rungpore.	Rungpore.	
...	...	...	...	...	...	...	...	...	...	4	...	3.55	...	2.04	4.87	...	Kurigram.	Rungpore.	
...	...	...	...	...	...	...	...	...	...	2	...	1.93	...	1.84	4.68	...	Bardonia.	Rungpore.	
...	...	...	...	...	...	...	...	...	...	3	...	1.55	...	1.21	2.58	...	(Nilphamari) Ulupore.	Rungpore.	
...	...	...	...	...	...	...	...	...	...	2	...	3.11	...	2.75	5.07	...	Julpigore.	Julpigore.	
...	...	...	...	...	...	...	...	...	...	2	...	1.52	...	0.95	3.35	...	Alipore Doar.	Julpigore.	
...	...	...	...	...	...	...	...	...	...	4	...	2.24	...	1.46	3.89	...	Falacatta.	Julpigore.	
...	...	...	...	...	...	...	...	...	...	2	...	1.11	...	1.08	2.87	...	Dagiganj.	Julpigore.	
...	...	...	...	...	...	...	...	...	...	5	...	3.71	...	1.74	3.63	...	Dinhatia.	Cooch Behar.	
...	...	...	...	...	...	...	...	...	...	3	...	4.36	...	1.81	3.71	...	Cooch Behar.	Cooch Behar.	
...	...	...	...	...	...	...	...	...	...	5	...	3.70	...	2.01	5.13	...	Mickiganj.	Cooch Behar.	
...	...	...	...	...	...	...	...	...	...	4	...	1.94	...	1.20	3.43	...	Matabhanga.	Cooch Behar.	
...	...	...	...	...	...	...	...	...	...	5	...	4.81	...	1.17	9.67	...	Buxa...	Darjeeling Hill.	
...	...	...	...	...	...	...	...	...	...	2	...	1.50	...	1.20	3.55	...	Siliguri.	Darjeeling Hill.	
...	...	...	...	...	...	...	...	...	...	9	...	2.54	...	1.09	3.93	...	Darjeeling.	Darjeeling Hill.	
...	...	...	...	...	...	...	...	...	...	5	...	1.14	...	0.55	4.82	...	Kalnpong.	Darjeeling Hill.	
...	...	...	...	...	...	...	...	...	...	2	...	0.53	...	0.30	3.63	...	Kissengunge...	Purneah.	
...	...	...	...	...	...	...	...	...	...	1	...	0.88	...	0.88	4.14	...	Arratoon.	Purneah.	
...	...	...	...	...	...	...	...	...	...	2	...	0.63	...	0.60	3.20	...	Purneah.	Purneah.	
...	...	...	...	...	...	...	...	...	...	1	...	0.57	...	0.57	2.38	...	Gandwara.	Purneah.	
...	...	...	...	...	...	...	...	...	...	2	...	0.21	...	0.21	2.32	...	Nalampore.	Purneah.	
...	...	...	...	...	...	...	...	...	...	1	...	2.18	...	2.18	3.60	...	Mutari.	Purneah.	
...	...	...	...	...	...	...	...	...	...	2	...	0.57	...	0.51	2.60	...	Katiajanj.	Purneah.	
...	...	...	...	...	...	...	...	...	...	2	...	1.03	...	0.95	2.99	...	Maddapore...	North Bhagalpore.	
...	...	...	...	...	...	...	...	...	...	2	...	0.91	...	0.46	10.36	...	Soopool.	North Bhagalpore.	
...	...	...	...	...	...	...	...	...	...	1	...	0.12	...	0.12	2.13	...	Protoganj.	North Bhagalpore.	
...	...	...	...	...	...	...	...	...	...	1	...	0.08	...	0.08	1.82	...	Tajpore...	Durbhunga.	
...	...	...	...	...	...	...	...	...	...	Nil	...	0.08	...	0.08	1.82	...	Durbhunga.	Durbhunga.	
...	...	...	...	...	...	...	...	...	...	2	...	0.30	...	0.20	1.85	...	Madhubani.	Durbhunga.	
...	...	...	...	...	...	...	...	...	...	1	...	1.25	...	1.25	2.99	...	Bahera.	Durbhunga.	
...	...	...	...	...	...	...	...	...	...	2	...	1.08	...	1.05	2.48	...	Koshera.	Durbhunga.	
...	...	...	...	...	...	...	...	...	...	2	...	0.81	...	0.61	2.36	...	Sitamarhi...	Mozufferpore.	
...	...	...	...	...	...	...	...	...	...	1	...	0.66	...	0.66	2.81	...	Mozufferpore.	Mozufferpore.	
...	...	...	...	...	...	...	...	...	...	2	...	0.22	...	0.18	1.32	...	Tajpore.	Mozufferpore.	
...	...	...	...	...	...	...	...	...	...	1	...	0.21	...	0.21	2.08	...	Para.	Mozufferpore.	
...	...	...	...	...	...	...	...	...	...	1	...	0.60	...	0.60	2.10	...	Madua.	Mozufferpore.	
...	...	...	...	...	...	...	...	...	...	2	...	1.25	...	1.20	3.40	...	Sinhar.	Mozufferpore.	
...	...	...	...	...	...	...	...	...	...	2	...	0.23	...	0.22	1.43	...	Pupri.	Mozufferpore.	
...	...	...	...	...	...	...	...	...	...	1	...	0.02	...	0.02	1.09	...	Motihari...	Chumpan.	
...	...	...	...	...	...	...	...	...	...	3	...	0.81	...	0.55	2.16	...	Beulah.	Chumpan.	
...	...	...	...	...	...	...	...	...	...	1	...	0.15	...	0.15	1.65	...	Ragaha.	Chumpan.	
...	...	...	...	...	...	...	...	...	...	1	...	0.28	...	0.28	2.08	...	Burhura.	Chumpan.	
...	...	...	...	...	...	...	...	...	...	1	...	0.29	...	0.15	1.87	...	Gopalgunge...	Saran.	
...	...	...	...	...	...	...	...	...	...	2	...	0.30	...	0.21	2.16	...	Sewan.	Saran.	
...	...	...	...	...	...	...	...	...	...	2	...	0.30	...	0.21	2.16	...	Chupra.	Saran.	

Table of Rainfall recorded at Station

[illegible]



[illegible]

### METEOROLOGICAL AND RAINFALL SUMMARY OF THE PROVINCE OF BENGAL FOR THE MONTH OF MARCH 1887.

THE weather of the past month has been marked by unusually large variations from the normal features of the month.

During the latter part of the month of February the barometer fell steadily for several days, and was about a quarter of an inch below its normal height at the end of the month. Strong southerly winds were blowing across the Bengal and Orissa coasts to the area of depression in North Bengal. The weather became unsettled, and a series of thunder-storms took place in North and East Bengal on the 1st and 2nd of March. They occurred on the 1st in the northern districts of East Bengal (including Tipperah, Dacca and Mymensingh), and in the northern and eastern districts of North Bengal (including B. gra, Pubna, Dinagepore, Rungpore and Cooch Behar.)

They were almost entirely confined to the south-eastern districts of East Bengal (including Chittagong, Backergunge, Noakholly and Tipperah) on the 2nd and 3rd, after which fine weather was established throughout the province. The heaviest falls reported during this period were 5 inches at Fenny on the 2nd, 3.08 inches at Joydepore, and 3.03 inches at Nowkhila on the 1st.

The barometer began to rise on the 1st, and pressure increased rapidly until the 3rd. Cool, dry westerly to north-westerly winds extended from Behar across Western and Central Bengal on the 3rd and 4th, and the weather on these days was hence dry, cool and pleasant throughout Bengal.

From the 5th to the 8th hot weather conditions were gradually re-established over the province. The barometer began to fall, winds became light and variable and then shifted round to south or south-west in the coast districts, and temperature increased more or less rapidly from day to day. The day temperature of the second week of the month was from  $1^{\circ}$  to  $4^{\circ}$  above the average temperature of the period, and the night temperature  $\frac{1}{2}^{\circ}$  to  $4^{\circ}$  above it. Pressure decreased rapidly on the 10th and 11th, and was on the latter day from one to two-tenths below the normal pressure of the day. This fall of the barometer was accompanied by the usual increase in the strength of the sea winds in the southern districts of Bengal. These conditions gave rise to a disturbed state of the atmosphere, shown by the occurrence of a series of thunder-storms. They began in East Bengal on the 12th, and extended to North Behar and North Bengal on the 13th, but the rainfall on these two days was not large in amount. A rapid fall of the barometer occurred during the next 24 hours, and preceded a vigorous series of storms on the evening of the 14th, which were attended with heavy rain over the greater part of East Bengal, North Bengal, the central and northern districts of South-West Bengal and in Behar. The Moorshedabad and Rajshahye districts received the largest amounts. The former obtained an average of  $1\frac{1}{2}$  inches on that day, and the latter one inch. The barometer began to rise again on the 15th. Thunder-storms occurred on that day in Orissa, South-West Bengal and some parts of East Bengal, but the rainfall was small in amount. A few showers fell in the south-eastern districts of East Bengal on the 16th. The weather then began to clear up on the 15th and 16th, when the winds changed in character. Westerly winds re-commenced in Behar and extended eastwards into Bengal, and the air became rapidly drier. The temperature was slightly below the normal of the period during the day, but the night temperature was from  $1^{\circ}$  to  $4^{\circ}$  in excess. The temperature fell rapidly (especially the night temperature) with the changed conditions of humidity and wind. The weather during the next eight days was such as occurs more usually in the month of February than in March. Dry land winds prevailed over nearly the whole of the province. Temperature was unusually low, and the air remarkably dry. The minimum or night temperatures on the 19th, 20th and 21st were from  $10^{\circ}$  to  $15^{\circ}$  below the normal in North Bengal and North Behar. The land winds began to retreat from the coast districts of Bengal on the 22nd, and southerly winds gradually set in and extended northwards.

No change, however, occurred in Behar, Chutia Nagpur or North Bengal, and remarkably low humidities were registered in Chutia Nagpur and Behar. The 10 A.M. humidity at Hazaribagh on the 21st was only 7 per cent. and at Dehree 5 per cent. The normal humidity of these stations in March is 30. Temperature increased steadily, but was throughout below the average of the period. The deficiency in the day temperature averaged  $3^{\circ}$  over the greater part of the interior of the province, and of the night temperature from  $1^{\circ}$  to  $8^{\circ}$  (at Purneah). On the 25th strong south-westerly humid winds were blowing across the Bengal coast into the interior, whilst abnormally dry westerly winds were advancing across Behar and Chutia Nagpur into the same area. The intermingling and interaction of these two currents, as opposed in character as they were in direction, apparently initiated a series of changes, which were accompanied and followed by a remarkably vigorous and prolonged series of thunder-storms, that gave rain to almost every district of the province. The barometer began to fall on the 25th, and fell considerably until the 28th, after which it oscillated rapidly for 48 hours and then began to rise.

Storms occurred in Orissa and South-West Bengal on the 26th, attended with heavy showers of rain in some cases. On the 27th the storms occurred over a larger area, including South-West and East Bengal, and the northern districts of Northern Bengal, and some very heavy showers fell on that day in Eastern Bengal. The storms were confined almost exclusively to East Bengal on the 28th, and to portions of East and South-West Bengal on the 29th, and the rainfall of these two days was small in amount.

as compared with that of the 27th. The general disturbance (of which the thunderstorms were the local expression), as shown by the irregularity of the barometric changes, appeared to increase during this period, and culminated in an unusually extensive and vigorous series of thunder-storms on the night of the 29th and morning of the 30th. The rainfall accompanying this final series of storms extended over the whole Province. It was exceptionally heavy in portions of South-West and East Bengal, and more especially in the Hooghly, Howrah, Nuddea, and Burdwan districts and the 24 Pergunnahs. Rainfalls exceeding four inches were recorded on the 30th at Serampore (5.04 inches), Burdwan (4.56 inches), Barrackpore (4.5 inches), and Baraset (4.45 inches). Very strong winds prevailed throughout the province from the 27th to the morning of the 30th, when the conditions were reversed. Skies cleared rapidly, light local breezes replaced the strong winds, the barometer rose rapidly, and a brief interval of fine, clear, cool weather followed. The intensity of the disturbance is most easily estimated by means of the rainfall which it gave to the province. Thus East and South-West Bengal received an average of 3 inches, North Bengal 1.8 inches, and Behar .55 inch. The normal average rainfall of the whole month varies from 3 inches in East Bengal to a third of an inch in Behar.

The chief features of the meteorology of the month were hence—

- 1.—Unusually large variations of temperature. This was shown by the contrast between the excessive temperature of the first fortnight and the low temperature of the last ten days of the month, and also by the unusually large daily and monthly range of temperature.
- 2.—Abnormally large variations of the humidity of the air. This feature was most marked in North and East Bengal.
- 3.—Heavy rainfall due to larger and more extensive disturbances than usually occur in March.

The following gives fuller details of some of the elements of meteorological observation during the past month:—

*Pressure.*—The variations of pressure were much smaller in amount, and occurred much more frequently than during the preceding month. The chief feature was the slow fall for some days before each series of storms, the rapid fall immediately before the disturbance, the large and irregular fluctuations during the storms, and the rapid rise coincident with the termination of each period of disturbance.

The mean pressure of the month was below the average mean pressure at all stations. The defect was greatest in Orissa and the adjacent districts of South-West Bengal, and a portion of South Behar represented by Patna and Gya, where it slightly exceeded .04". It was least in East Bengal, where it was only .02". Over the remaining districts, including the greater part of South-West Bengal, North Behar, and Chutia Nagpur, it averaged .03". The deficiency of pressure in the higher strata of the atmosphere, as represented by Darjeeling, was identical with the average deficiency in the plains, viz. .03".

*Temperature.*—At the commencement of the month the night temperature was from 2° to 6° above the average. The storms of the 1st and 2nd cooled the air, and the temperature of the 3rd and 4th was slightly below the average. This was followed by a general and almost continuous increase of temperature until the 11th, when the mean daily temperature was from 2° to 5° above the normal. The excess was most marked in the night temperature, which at the great majority of stations was from 6° to 10° above the normal night temperature. A series of storms occurred on the 12th, 13th, 14th, and 15th, which cooled the air considerably. Dry land winds extended eastwards, and a very great reduction occurred in the humidity of the air. From the 18th to the 25th was a period of excessive dryness of the air in every part of the province, but more especially in East and North Bengal. Unusually low minimum temperatures were registered during this period, and as the day temperature increased steadily at the same time, the differences between the night and day temperature were unusually great.

The following are the most striking examples. The range of temperature (that is, the difference between the highest and lowest temperatures of the day) on the 20th at Serajgunge was 35.9° and at Bogra 34.7°, on the 21st at Motihari was 41° and at Purneah 38.4°, on the 22nd at Dinagepore was 38.4°, and on the 24th at Patna was 35° and at Arrah 34°.

The highest temperatures of the month were registered at the majority of stations on the 25th. The series of storms which commenced on that day and lasted until the 30th produced a very large reduction of the day temperature, and a slight decrease in the night temperature. The former is illustrated by the following statement:—

	Maximum day temperature on the 25th.	Maximum day temperature on the 30th.	Difference.
Calcutta	95.5	78.5	17.0
Jessore	98.3	77.7	20.6
Dacca	95.1	77.1	18.0
Bogra	94.3	75.0	18.5
Dinagepore	93.6	81.6	12.0
Purneah	93.2	82.2	11.0
Arrah	96.4	85.3	11.1
Bankipore	94.8	82.7	12.1

The diminution of temperature was greatest in the area of heaviest rainfall and largest cloud amount.



Hence the first fortnight of the month was characterized on the whole by higher temperature than usual, the next ten days by abnormally low night temperatures and by very large daily range of temperature, whilst the last six days were marked by a very great reduction in the day temperature, which was greatest in Central and East Bengal, ranging from  $11^{\circ}$  to  $21^{\circ}$  in amount.

The mean temperature of the month was practically normal in Orissa and Chutia Nagpur, and was  $\frac{1}{2}^{\circ}$  in defect in South-West and East Bengal and in South Behar, and  $1.2^{\circ}$  in North Behar.

The following table gives temperature data for eight representative stations for purposes of comparison:—

	WEEK ENDING 4TH MARCH 1887.			WEEK ENDING 11TH MARCH 1887.			WEEK ENDING 18TH MARCH 1887.			WEEK ENDING 25TH MARCH 1887.		
	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.	Variation of actual mean maximum temperature of week from normal.	Variation of actual mean minimum temperature of week from normal.	Variation of actual daily temperature of week from normal.
Cuttack ... ..	+3.5	+2.6	+3.1	+2.0	+0.4	+1.2	-1.8	+2.5	+0.3	-2.3	+0.5	-1.0
Calcutta ... ..	+0.8	+4.1	+2.5	+0.9	+2.2	+1.5	-2.0	+3.4	+0.7	+0.7	-1.6	-0.4
Burdwan ... ..	+1.2	+1.9	+1.5	+2.9	-0.8	+1.1	+0.9	+4.1	+2.5	0	-6.8	-3.4
Dacca ... ..	-0.1	+4.1	+2.0	+2.0	+3.9	+3.0	-2.3	+1.5	-0.5	+0.9	-3.5	-1.3
Purneah ... ..	-0.9	+6.8	+3.0	+1.0	-0.2	+0.4	-2.1	+2.0	-6.1	-4.3	-7.7	-6.0
Patna ... ..	+1.0	+5.2	+3.1	+1.4	+1.5	+1.5	+2.6	+1.0	-0.7	-2.6	-3.0	-2.8
Hazaribagh ... ..	+2.5	+4.1	+3.3	+3.8	+1.9	+2.9	+1.9	+1.1	+1.5	-3.3	-2.3	-2.7
Darjeeling ... ..	+4.9	+2.5	+3.7	+0.8	+3.3	+2.0	-1.5	-0.6	-1.0	-5.3	-4.7	-5.0

*Humidity.*—The variations of humidity have been unusually large during the past month. Each series of storms and period of rainfall was immediately followed by a very rapid decrease of humidity and extension of westerly dry winds from Behar across Central into East and South-West Bengal. After two or three days, southerly winds set in over the coast districts, and were, just before and during the stormy periods, continued as easterly winds over North Bengal and Behar. It is very unusual for the dry winds to influence the weather in Eastern Bengal during March so strongly as in the present year. The interval from the 16th to the 25th was especially remarkable for the dryness of the air in Eastern Bengal. The following table illustrates this feature:—

	Lowest 10 A.M. humidity during week ending March 25th.	Average 10 A.M. humidity of week ending March 25th.	Normal 10 A.M. humidity, March.
Dacca ... ..	28	46	63
Jessore ... ..	25	36	63
Rungpore ... ..	24	42	59
Dinapore ... ..	22	27	45
Purneah ... ..	29	36	48
Motihari ... ..	27	36	46
Patna ... ..	24	31	40
Buxar ... ..	14	19	36
Dehree ... ..	5	18	37
Hazaribagh ... ..	7	11	29

*Rainfall.*—As already stated, there were three periods of rainfall during the month—

1st.—From the 1st to the 4th, during which showers of moderate intensity were received in East and North Bengal.

2nd.—From the 12th to the 16th, when thunder showers occurred in almost every district. Heavy rainfall was, however, confined to a few districts in East and South-West Bengal, more especially Moorshedabad, Rajshahye and Mymensingh.

3rd.—From the 26th to the 31st, when an unusually severe series of storms occurred and gave an exceptionally hot weather burst of rainfall. East and South-West Bengal received the heaviest showers.

Every district, except Chutia Nagpur, has received rainfall during the month in excess of its normal amount. The districts which have received the largest averages are—Noakholly 10.58 inches, Comilla 6.64 inches, and Pubna 5.85 inches. These amounts are from three to five times the normal rainfall of the month. The following districts have received amounts ranging between four and five inches, and from two to four times the normal rainfall:—Nuddea, Mymensingh, Furreedpore, Dacca, Jessore, Burdwan, Bogra and Chittagong; the following amounts between three and four inches:—the 24-Pergunnahs, Howrah, Hooghly, Moorshedabad, Backergunge, Rajshahye, Julpigoree, and Cooch Behar. In these districts the rainfall was one to two inches above the average. Balasore, Midnapore, Beerbhoom, and Rungpore received averages between one and two inches, and Cuttack, Bancoorah, Dinapore, Patna, and Bhagulpore amounts ranging between one and two inches.

East Bengal, on the whole, received a total average rainfall during the month of 5·33 inches, or slightly more than double the average amount (2·50 inches); South-West Bengal of 3·43 inches, or considerably more than twice the average (1·36 inches); North Bengal 2·71 inches, or nearly three times the normal average (1·06 inches); South Behar obtained an average of one inch, or three times its normal amount; North Behar 0·47 inch, and Orissa 1·56 inches, slightly more than their respective average amounts, whilst Chutia Nagpur had only an average fall of one-tenth of an inch, its normal fall in April being one inch.

The following table gives the summary of the temperature and rainfall data of each of the seven Meteorological Divisions of the Province for the month of March 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.						
	Highest observed during month.	Lowest observed during month.	Averages for month.			Average mean of month above or below normal mean of month.	Of month.			Rainy days.			Since 15th May 1896.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in month.	Normal average number in month.	Variation.	Average.	Normal average.
Orissa ... ..	101·9	62·1	83·1	73·6	80·9	+0·2	1·56	1·14	+0·42	3·0	2·5	+0·5	62·91	55·66
South-West Bengal ... ..	101·3	55·9	91·9	68·8	80·4	—0·4	3·43	1·36	+2·07	3·4	2·9	+0·5	60·40	54·37
East Bengal ... ..	95·1	59·1	85·6	68·0	76·8	—0·7	5·33	2·58	+2·75	6·3	4·3	+2·0	87·15	78·46
North Bengal ... ..	95·3	50·5	87·3	62·2	74·8	—	2·91	1·06	+1·85	4·2	2·3	+1·9	80·01	70·95
North Behar ... ..	95·5	48·8*	87·8*	60·1*	74·0*	—1·2	0·47	0·37	+0·10	1·5	1·3	+0·2	63·37	48·04
South Behar ... ..	98·7	55·9	90·2	63·9	77·1	—0·5	1·00	0·38	+0·62	2·0	1·4	+0·6	64·72	43·36
Chutia Nagpur ... ..	95·5†	51·6†	89·2†	62·6†	75·9†	+0·1†	0·11	1·03	—0·92	0·9	2·7	—1·8	54·04	50·83

\* Chupra not included.

† Chyebassa not included

METEOROLOGICAL OFFICE, BENGAL;  
The 12th April 1887.

JOHN ELIOT,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Report of the Province of Ben

METEOROLOGICAL DIVISION	DISTRICT.	Representative station.	STATION OBSERVATIONS.												
			AIR PRESSURE.			WIND.			TEMPERATURE.						
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.
ORISSA.	Pooree	Gopalpore	29.913	29.963	—	SSW	206	86.2	8th April	75.8	7th April	85.0	76.7	80.8	—
		False Point	29.939	29.979	+0.090	SSW	254	91.5	5th "	69.1	3rd "	87.4	73.2	79.9	-4.4
	Cuttack	Cuttack	29.885	29.967	+0.093	SW	55	99.9	6th "	71.8	5th, 7th "	98.0	73.2	85.6	-2.5
	Balasore	Balasore	29.914	29.973	—	S, S SW	57.8	89.4	4th "	69.9	5th "	86.19	71.4	78.89	—
	South-West Midnapore	Saugor Island	29.943	29.969	+0.083	S, SW	243	90.2	5th "	75.0	8th "	88.5	77.8	83.1	-0.9
SOUTH-WEST BENGAL.	South 24-Pergunnahs	Midnapore	29.799	29.950	—	S	117.8	99.3	6th "	69.2	8th "	96.2	71.6	83.9	—
	Howrah	Calcutta	29.932	29.954	+0.093	SSW	120	93.5	6th "	70.2	7th & 8th	91.3	71.1	81.2	-3.9
	Hoochly														
	Burdwan	Burdwan	29.850	29.952	+0.094	SSW	82.3	97.6	7th "	68.9	5th "	95.3	71.3	83.3	-3.0
	Bankoora	Bankoora	29.620	—	—	S	17	101.1	7th "	70.1	5th "	97.5	72.1	84.8	—
	Beerbhoom	Raneegunge	29.611	—	—	SW	74.1	101.8	7th "	67.5	5th "	98.3	70.6	84.5	—
	West Burdwan														
	Moorsheadabad	Berhampore	29.876	29.944	+0.090	SSW	101.9	94.7	8th "	65.2	5th "	92.3	68.9	80.6	-5.1
	Nuddea	Krishnagur	29.890	—	—	S	108.5	94.5	6th "	64.5	5th "	93.3	69.5	80.9	—
	Jessore	Jessore	29.933	29.966	+0.095	SW	25.2	94.8	6th & 6th	67.5	7th "	92.9	70.2	81.6	-3.3
EAST BENGAL.	Khoolna														
	Chittagong	Chittagong	29.886	29.976	+0.063	Calm	51	90.6	3rd "	63.0	2nd "	89.5	67.8	78.7	-2.0
	Chittagong Hill Tracts	Demagiri													
	Backergunge	Barrisal	29.945	29.957	—	Westerly	51.8	91.8	7th April	61.1	2nd "	90.3	69.1	79.7	—
	Noakholly	Noakholly	29.928	29.971	—	Calm	11.2	90.0	7th "	63.0	2nd "	88.6	66.8	77.7	—
NORTH BENGAL.	Furreedpore	Furreedpore	29.926	—	—	S	55	88.0	7th "	65.9	7th "	85.89	68.8	77.09	—
	Dacca	Dacca	29.945	29.967	+0.103	Southerly	75	93.1	6th & 7th	66.5	2nd "	91.3	69.9	80.6	-2.2
	Commillah	Commillah	29.927	29.973	—	SE	42.4	92.3	7th & 8th	67.8	4th "	89.9	69.8	79.9	—
	Mymensingh	Mymensingh	29.9249	—	—	Calm, SE	56	90.3	6th-8th	66.1	3rd "	89.0	68.8	78.9	—
	Bogra	Bogra	29.860	29.924	—	Calm	4.2	94.5	6th "	61.7	5th "	92.3	67.3	79.8	—
NORTH BENGAL.	Pubna	Serajgunge	29.896	29.943	—	SSW	79.9	94.1	8th "	61.2	5th "	90.5	67.1	78.8	—
	Rajshahye	Rampore Beau-	29.851	29.921	—	South-	97.4	94.3	6th-8th	64.7	3rd "	92.9	68.1	80.5	—
	Maldah	Maldah	29.706	—	—	westerly	26.2	95.7	6th "	58.9	3rd "	93.6	63.3	78.4	—
	Dinapore	Dinapore	29.828	29.950	—	ENE	65.9	93.0	6th "	61.2	5th "	91.7	65.1	78.4	—
	Rungpore	Rungpore	29.833	29.959	—	E	84	92.2	6th "	60.4	5th "	90.8	64.9	77.8	—
NORTH BENGAL.	Julpigoree	Julpigoree	29.659	29.980	—	E	105.0	90.5	5th "	60.9	5th "	88.3	64.3	76.3	—
	Cooch Behar														
	Darjeeling Hill Districts	Darjeeling	23.035	—	+0.097	W	137.7	61.4	5th "	40.8	6th "	68.7	43.6	51.2	-2.3
	Purneah	Purneah	29.826	29.954	+0.128	NE, calm	27.5	95.2	6th & 8th	61.7	2nd "	92.9	66.4	79.7	-2.8
	North Bhagulpore														
SOUTH BENGAL.	Mozufferpore	Mozufferpore													
	Durbhunga	Durbhunga	29.776	29.946	+0.127	ESE	94	93.4	6th April	61.2	2nd "	91.6	64.7	78.2	-3.2
	Chumparun	Motihar	29.704	29.933	—	ESE	151.0	94.6	6th "	55.7	4th "	92.5	60.7	76.6	—
	Sarun	Chupra	29.727	—	—	South-	72.7	98.5	7th "	58.9	3rd "	94.3	65.0	79.7	—
	Shahabad	Dehree	29.556	29.910	—	easterly, SSW	185.2	94.2	6th "	64.0	2nd & 4th	89.9	67.9	78.9	—
SOUTH BENGAL.	Buxar	Buxar	29.678	29.921	—	WNW	140.4	98.4	6th "	62.9	4th "	95.1	60.7	80.9	—
	Arrah	Arrah	29.713	29.911	—	E, SW	59.3	98.4	6th "	60.3	4th "	94.7	65.3	80.0	—
	Gya	Gya	29.523	29.901	+0.039	Northerly	58.2	100.3	7th "	66.5	2nd "	96.4	69.4	83.9	-3.6
	Patna	Bankipore	29.750	29.935	+0.091	Variable	60.9	97.3	6th "	61.3	3rd "	94.0	65.0	79.8	-4.9
	South Bhagulpore	Bhagulpore	29.757	29.920	—	E	70	96.4	6th "	60.0	3rd "	93.4	65.1	79.2	—
CEYLA NAPOLE.	Monghyr														
	Southal Pergunnahs	Doomka	29.424	—	—	Calm	6.7	97.4	7th "	63.5	3rd "	95.9	67.5	81.2	—
	Hazaribagh	Hazaribagh	27.929	29.925	+0.072	SW	155.9	98.0	7th "	63.8	4th "	92.7	66.8	79.8	-1.9
	Lohardugga	Ranchee	27.802	29.916	—	SSW	147.1	95.5	7th "	61.4	4th "	91.8	65.5	78.6	—
	Manbhoom														
CEYLA NAPOLE.	Singbhoom	Chyebassa	29.161	—	—	S, SSW	58.5	101.5	7th "	67.0	4th "	97.7	71	84.6	—

Explanation.—Summary.—The normal means of air pressure and temperature are the arithmetical averages or means of the reading during the same period for the years 1871-80. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the year ending in retums divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.

\* Means for 6 days.



for the week ending Friday, the 8th April 1887.

DISTRICT OBSERVATIONS.														Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
RAINFALL.																
Of week.		Since 1st of Month.			Since 15th May 1884.			Average number of rainy days.	Normal number of rainy days.							
Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.									
0	Nil	—	—	—	—	—	—	—	—	Gopalpore	Pooree	ORISSA.				
2.4	Nil	Nil	0.37	Nil	0.39	—0.39	61.96	58.09	+3.87	0.0	0.4	False Point	Cuttack	ORISSA.		
1.1	Nil	Nil	0.19	Nil	0.19	—0.19	65.69	53.87	+11.82	0.0	0.5	Cuttack	Cuttack			
0.1	Nil	Nil	0.25	Nil	0.28	—0.28	60.04	56.41	+3.63	0.0	0.6	Balasore	Balasore			
1.6	Nil	Nil	0.12	Nil	0.13	—0.13	54.46	65.96	—11.50	0.0	0.6	Saugor Island	South-West Midnapore			
2.4	0.46	0.26	0.20	0.26	0.20	+0.06	49.42	54.84	—5.42	0.7	0.6	Midnapore	South 24-Pergunnahs	SOUTH-WEST BENGAL.		
1.7	Nil	0.10	0.29	0.10	0.34	—0.24	60.95	55.06	+5.89	0.4	0.7	Calcutta	24-Pergunnahs			
2.7	0.07	0.15	0.33	0.15	0.36	—0.21	57.34	49.11	+8.23	1.7	0.6	Burdwan	Howrah			
1.6	0.16	0.18	0.11	0.13	0.12	+0.01	55.00	54.17	+0.83	1.0	0.4	Bankoora	Hooghly			
2.0	0.55	0.45	0.18	0.45	0.20	+0.25	69.12	53.61	+15.51	1.0	0.5	Raneegunge	Burdwan	SOUTH-WEST BENGAL.		
1.4	0.11	0.13	0.23	0.13	0.28	—0.15	64.15	50.88	+13.27	0.7	0.5	Berhampore	Beerbhoom			
2.1	0.04	0.20	0.53	0.20	0.67	—0.37	60.43	52.39	+8.04	1.0	0.9	Krishnagur	West Burdwan			
1.9	Nil	Nil	0.53	Nil	0.56	—0.56	63.65	57.41	+6.24	0.0	1.0	Jessore	Moorshedabad			
0	Nil	Nil	0.25	Nil	0.29	—0.29	133.58	116.75	+16.83	0.0	0.8	Chittagong	Nudda	SOUTH-WEST BENGAL.		
0	Nil	Nil	0.72	Nil	0.81	—0.81	98.14	86.74	+11.40	0.0	1.3	Demagiri	Jessore			
0.7	Nil	Nil	0.31	Nil	0.33	—0.33	81.63	81.54	+0.09	0.0	0.7	Barrisal	Khoolna			
0	Nil	Nil	0.82	Nil	0.88	—0.88	128.54	114.09	+14.45	0.0	1.0	Noakholly	Chittagong Hill Tracts			
0.3	Nil	0.08	0.49	0.08	0.62	—0.54	65.42	60.46	+4.96	0.3	1.1	Furreedpore	Backergunge	SOUTH BENGAL.		
1.7	Nil	Nil	1.26	Nil	1.31	—1.31	81.57	63.80	+17.77	0.0	1.5	Dacca	Noakholly			
0.7	Nil	Nil	0.90	Nil	0.95	—0.95	81.13	76.85	+4.28	0.0	1.3	Commillah	Furreedpore			
2.3	Nil	Nil	0.60	0.01	0.73	—0.72	72.52	71.08	+1.44	0.0	1.3	Mymensingh	Dacca			
1.4	Nil	Nil	0.22	Nil	0.24	—0.24	70.53	58.31	+12.22	0.0	0.5	Bogra	Tipperah	SOUTH BENGAL.		
1.7	Nil	0.04	0.65	0.04	0.71	—0.67	65.65	56.62	+9.03	0.5	1.2	Serajgunge	Mymensingh			
0.6	Nil	Nil	0.48	Nil	0.48	—0.48	62.83	55.94	+6.89	0.0	0.8	Rampore Beaulah	Bogra			
0.7	0.27	0.14	0.18	0.14	0.20	—0.06	63.69	55.06	+8.63	0.5	0.6	Maldah	Pubna			
0.7	Nil	0.01	0.10	0.01	0.11	—0.10	75.76	54.89	+20.87	0.2	0.3	Dinapore	Rajshahye	NORTH BENGAL.		
0	Nil	Nil	0.48	Nil	0.54	—0.54	76.42	75.76	+0.66	0.0	0.8	Rangpore	Maldah			
0.6	Nil	0.03	0.66	0.03	0.75	—0.72	112.85	113.50	+0.65	0.2	1.0	Julpigoree	Dinapore			
4.3	0.51	0.71	0.65	0.71	0.81	—0.10	144.81	120.51	+24.30	1.3	1.3	Darjeeling	Rangpore			
1.0	Nil	0.06	0.14	0.06	0.17	—0.11	80.94	57.88	+23.06	0.4	0.3	Purneah	Cooch Behar	NORTH BENGAL.		
1.4	Nil	Nil	0.04	Nil	0.05	—0.05	61.99	43.10	+18.89	0.3	0.2	Mozufferpore	Darjeeling Hill Districts			
5.4	0.14	0.12	0.11	0.12	0.14	—0.02	62.28	46.49	+15.79	1.0	0.2	Durbhunga	Purneah			
3.1	0.18	0.07	0.01	0.07	0.02	+0.05	63.29	42.25	+21.04	0.3	0.1	Chupra	North Bhagulpore			
3.6	0.40	0.01	0.43	0.01	0.42	—0.41	57.30	40.31	+16.99	1.0	0.2	Buxar	Mozufferpore	SOUTH BENGAL.		
2.6	0.01	0.43	0.06	0.43	0.06	+0.36	57.30	40.31	+16.99	1.0	0.2	Arrah	Durbhunga			
2.4	0.03	0.10	0.04	0.10	0.06	+0.04	66.62	41.07	+25.55	1.0	0.2	Gya	Champuram			
2.9	0.09	0.06	0.03	0.06	0.04	+0.02	62.29	41.75	+20.54	0.7	0.2	Bankipore	Sarun			
0	Nil	0.00	0.06	0.00	0.07	+0.07	62.15	43.06	+19.09	0.4	0.2	Bhagulpore	Shahabad	SOUTH BENGAL.		
0.6	0.15	0.30	0.08	0.30	0.09	+0.21	72.92	50.05	+22.87	0.8	0.3	Doomka	South Bhagulpore			
5.0	0.27	0.13	0.02	0.13	0.04	+0.09	59.02	51.55	+7.46	0.8	0.2	Hazaribagh	Monghyr			
4.0	0.31	0.38	0.11	0.38	0.12	+0.26	50.52	49.27	+1.25	1.3	0.4	Ranchhee	Sonthal Pergunnahs			
3.8	0.17	0.17	0.13	0.17	0.15	+0.02	44.09	54.38	—10.29	1.0	0.3	Chyebassa	Hazaribagh	SOUTH BENGAL.		
													Singbhoom		CHITTA NAG. PORE.	

The variations are *negative* when the mean for the week is less than the corresponding normal mean, and *positive* when greater.  
 The means of the district are the numerical averages of the rainfall return received in the district, i.e., from the total rainfall at the sub-divisions.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th of April 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1886.	Average rainfall from 15th May to date.	
			Saturday, 2nd April.	Sunday, 3rd April.	Monday, 4th April.	Tuesday, 5th April.	Wednesday, 6th April.	Thursday, 7th April.	Friday, 8th April.	Number of rainy days.	Rainfall of week.					
ORISSA	Pooree	Pooree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.15	55.18	55.18	
		Khurdah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.14	60.33	60.33	
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.08	60.57	60.57	
		False Point	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1.20	59.50	59.50	
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.20	60.20	
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	
	Cuttack	Jagatsingapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.09	60.66	60.66	
		Banki	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.11	62.60	62.60	
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.16	75.13	75.13	
		Kendrapara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.17	55.44	55.44	
		Jaipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.41	65.59	65.59	
		Dharmasalla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	64.59	64.59	
	Balasore	Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	
		Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.31	55.01	55.01	
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.52	60.64	60.64	
		Sorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.20	61.71	61.71	
		Balasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.31	63.56	63.56	
		Jellasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.24	63.81	63.81	
SOUTH-WEST BENGAL.	Midnapore	Baripoddah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.13	55.43	55.43	
		Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.15	44.01	44.01	
		Saugor Island	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.06	65.14	65.14	
		Tumlook	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.25	47.76	47.76	
		Midnapore	.....	.....	.....	.....	.....	.....	.....	0.51	1	0.51	0.15	47.19	47.19	
		Ghattal	.....	.....	.....	.....	.....	.....	.....	0.26	1	0.26	0.26	54.09	54.09	
	24-Pergunnahs	Devog	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	42.87	42.87	
		Heria	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	48.54	48.54	
		Bhagwanpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	43.80	43.80	
		Garbeta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	50.78	50.78	
		Diamond Harbour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.17	54.23	54.23	
		Canning Town	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.62	60.62	
	Howrah	Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.39	62.43	62.43	
		Barrackpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.36	59.83	59.83	
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.30	57.31	57.31	
		Barnaset	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.30	63.39	63.39	
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.15	70.35	70.35	
		Howrah	.....	.....	.....	.....	.....	.....	.....	0.01	1	0.01	0.01	55.35	55.35	
Hooghly	Mohesraha (Ooloberia.)	.....	.....	.....	.....	.....	.....	.....	0.04	1	0.04	0.04	56.92	56.92		
	Serampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.46	63.75	63.75		
	Hooghly	.....	.....	.....	.....	.....	.....	.....	0.07	1	0.07	0.07	57.85	57.85		
	Jehanabad	.....	.....	.....	.....	.....	.....	.....	0.85	1	0.85	0.85	63.03	63.03		
	Burdwan	.....	.....	.....	.....	.....	.....	.....	0.08	1	0.08	0.08	56.26	56.26		
	Culina	.....	.....	.....	.....	.....	.....	.....	0.04	2	0.07	0.07	62.22	62.22		
EAST BENGAL	Bankura	Cutwa	.....	.....	.....	.....	.....	.....	.....	0.10	2	0.30	0.30	55.54	55.54	
		Raneegunge	.....	.....	.....	.....	.....	.....	.....	0.55	1	0.55	0.55	67.22	67.22	
		Mankur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	63.71	63.71	
		Bankura	.....	.....	.....	.....	.....	.....	.....	0.18	1	0.18	0.18	72.67	72.67	
		Rishenpore	.....	.....	.....	.....	.....	.....	.....	0.03	1	0.03	0.03	61.92	61.92	
		Malara	.....	.....	.....	.....	.....	.....	.....	0.23	1	0.23	0.23	59.09	59.09	
	Beerbhoom	Khatra	.....	.....	.....	.....	.....	.....	.....	0.09	1	0.09	0.09	56.16	56.16	
		Indas	.....	.....	.....	.....	.....	.....	.....	0.03	1	0.03	0.03	50.67	50.67	
		Kotalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	44.33	44.33	
		Anda	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	40.10	40.10	
		Gangajalghati	.....	.....	.....	.....	.....	.....	.....	0.49	1	0.49	0.49	57.34	57.34	
		Raipore	.....	.....	.....	.....	.....	.....	.....	0.45	1	0.45	0.45	59.40	59.40	
	Nuddea	Sonamukhi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	38.00	38.00	
		Bh. Soory	.....	.....	.....	.....	.....	.....	.....	0.84	1	0.84	0.84	0.12	71.23	71.23
		Hetampore	.....	.....	.....	.....	.....	.....	.....	0.29	1	0.29	0.29	68.91	68.91	
		Rampore Haut	.....	.....	.....	.....	.....	.....	.....	0.10	1	0.10	0.10	69.08	69.08	
		Bolpore	.....	.....	.....	.....	.....	.....	.....	0.42	1	0.42	0.42	?	65.94	65.94
		Ransghat	.....	.....	.....	.....	.....	.....	.....	0.16	1	0.16	0.16	0.44	54.22	54.22
Khoolna	Kishnaghur	.....	.....	.....	.....	.....	.....	.....	0.01	2	0.04	0.04	0.59	54.45	54.45	
	Choodanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.61	59.63	59.63		
	Meherpore	.....	.....	.....	.....	.....	.....	.....	0.50	1	0.50	0.50	60.20	60.20		
	Kooshita	.....	.....	.....	.....	.....	.....	.....	0.29	1	0.29	0.29	0.54	73.06	73.06	
	Satkira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.59	61.55	61.55		
	Bagirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.40	80.83	80.83		
Jessore	Khoolna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.37	53.16	53.16		
	Narail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.53	55.11	55.11		
	Jessore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.76	69.32	69.32		
	Jhenidah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.87	94.25	94.25		
	Magoorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.71	67.09	67.09		
	Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.41	57.39	57.39		
Moorshedabad	Kandi	.....	.....	.....	.....	.....	.....	.....	0.40	1	0.40	0.40	0.31	57.70	57.70	
	Berhampore	.....	.....	.....	.....	.....	.....	.....	0.11	1	0.11	0.11	0.32	65.34	65.34	
	Lalbagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.09	65.35	65.35		
	Azimungo	.....	.....	.....	.....	.....	.....	.....	0.10	1	0.10	0.10	0.40	60.33	60.33	
	Jungipore	.....	.....	.....	.....	.....	.....	.....	0.14	1	0.14	0.14	0.30	70.45	70.45	
	Lalgaia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.25	61.35	61.35		
Chittagong	Akhrganj	.....	.....	.....	.....	.....	.....	.....	0.05	1	0.05	0.05	?	?	?	
	Cox's Bazar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.38	126.70	126.70		
	Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.19	130.42	130.42		
	Kutubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	122.37	122.37		
	Satkanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	118.05	118.05		
	Rangamati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.75	106.51	106.51		
Chittagong Hill Tracts.	Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.80	29.76	29.76		
	Backergunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.18	85.29	85.29		
	Patuakhali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.24	81.80	81.80		
	Perzepore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.01	67.78	67.78		
	Burrial	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.27	91.60	91.60		
	Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?		

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th of April 1887—contd.

Geographical division.	District.	Station.	RAINFALL.								TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1886.	Average rainfall from 15th May to date.
			Saturday, 2nd April.	Sunday, 3rd April.	Monday, 4th April.	Tuesday, 5th April.	Wednesday, 6th April.	Thursday, 7th April.	Friday, 8th April.	Number of rainy days.	of Rainfall week.					
NORTH BENGAL	Noakhally	Gournaddi	...	...	...	...	...	...	...	Nil	Nil	Nil	?	68.54	?	
		Bauphal	...	...	...	...	...	...	...	Nil	Nil	Nil	?	87.80	?	
		Noakhally	...	...	...	...	...	...	...	Nil	Nil	Nil	0.64	118.80	118.80	
		Fenny	...	...	...	...	...	...	...	Nil	Nil	Nil	1.13	138.16	118.80	
	Surraedpore	Harishpore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	140.86	?	
		Ramganj	...	...	...	...	...	...	...	Nil	Nil	Nil	?	99.56	?	
		Madaripore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.71	72.26	60.66	
		Furzedpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.60	63.34	63.67	
	Dacca	Goulundo	...	...	0.25	...	...	...	...	1	0.25	0.25	0.56	60.64	57.77	
		Munshigunge	...	...	...	...	...	...	...	Nil	Nil	Nil	1.64	109.81	77.38	
		Dacca	...	...	...	...	...	...	...	Nil	Nil	Nil	1.02	72.04	63.54	
		Narainkunge	...	...	...	...	...	...	...	Nil	Nil	Nil	1.58	80.00	59.75	
	Hill Tipperah	Manickgunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0.98	64.50	54.07	
		Joydebpore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	77.19	?	
		Agartola	...	...	...	...	...	...	...	Nil	Nil	Nil	0.63	73.23	68.17	
		Comilla	...	...	...	...	...	...	...	Nil	Nil	Nil	1.14	95.33	82.86	
SOUTH BENGAL	Mymensingh	Chandpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.95	92.75	81.22	
		Brahmunberia	...	...	...	...	...	...	...	Nil	Nil	Nil	1.06	77.20	69.83	
		Ramchandrapore.	...	...	...	...	...	...	...	Nil	Nil	Nil	?	72.11	?	
		Nasirnagar..	...	...	...	...	...	...	...	Nil	Nil	Nil	?	63.47	?	
	Kishoreganj	Daudkandi	...	...	...	...	...	...	...	Nil	Nil	Nil	?	77.02	?	
		Kasba	...	...	...	...	...	...	...	Nil	Nil	Nil	?	73.39	?	
		Laksham	...	...	...	...	...	...	...	Nil	Nil	Nil	?	94.54	?	
		Kishoreganj	...	...	...	...	...	...	...	Nil	Nil	Nil	1.26	78.49	75.34	
	Pubna	Atia (Tangail)	...	...	...	...	...	...	...	Nil	Nil	Nil	0.63	58.89	59.61	
		Mymensingh	...	...	...	...	...	...	...	Nil	Nil	Nil	0.84	70.76	78.34	
		Jamalpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.50	63.82	60.24	
		Netrokona	...	...	...	...	...	...	...	Nil	Nil	Nil	0.40	84.65	72.84	
	Bogra	Subornakhally	...	...	...	...	...	...	...	Nil	Nil	Nil	?	52.17	?	
		Durgapore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?	
		Deuaganj	...	...	...	...	...	...	...	Nil	Nil	Nil	?	65.81	?	
		Pubna	...	...	...	...	...	...	...	0.08	1	0.08	0.70	69.07	57.64	
Rajshahy	Serajgunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0.73	62.24	65.00		
	Sherpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	71.36	60.32		
	Nowkhilla	...	...	...	...	...	...	...	Nil	Nil	Nil	0.14	67.33	55.63		
	Bogra	...	...	...	...	...	...	...	Nil	Nil	Nil	0.67	70.31	62.17		
CENTRAL BENGAL	Maldah	Panchbibi	...	...	...	...	...	...	...	Nil	Nil	Nil	0.05	73.13	54.48	
		Beaulah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.47	64.76	54.44	
		Satore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.40	60.89	57.50	
		Nowkong	...	...	...	...	...	...	...	Nil	Nil	Nil	?	73.40	?	
	Dinagopore	Lalpor	...	...	...	...	...	...	...	Nil	Nil	Nil	?	65.40	?	
		Mando	...	...	...	...	...	...	...	Nil	Nil	Nil	?	58.01	?	
		Maldah	...	...	...	...	...	...	...	0.27	1	0.27	0.19	73.42	51.95	
		Chanchal	...	...	...	...	...	...	...	Nil	Nil	Nil	0.21	53.72	60.03	
	Rungpore	Gajol	...	...	...	...	...	...	...	Nil	Nil	Nil	?	68.62	?	
		Sibganj	...	...	...	...	...	...	...	0.41	1	0.41	?	67.31	?	
		Mohadehpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.01	80.75	56.45	
		Churamon	...	...	...	...	...	...	...	0.04	1	0.04	0.04	67.54	51.32	
	Jalpigore	Raigunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0.20	92.57	54.66	
		Dinagopore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.31	74.86	63.81	
		Balooghut	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	63.20	48.31	
		Bhawangunge (Gyabanda)	...	...	...	...	...	...	...	Nil	Nil	Nil	0.59	57.97	64.15	
SOUTH BENGAL	Cooch Behar	Rungpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.59	73.94	76.70	
		Kurigram	...	...	...	...	...	...	...	Nil	Nil	Nil	0.65	89.57	76.14	
		Bagdogra	...	...	...	...	...	...	...	Nil	Nil	Nil	0.37	84.13	86.03	
		Niphamari	...	...	...	...	...	...	...	Nil	Nil	Nil	?	74.23	?	
	Darjeeling Hill	Ulipore	...	...	...	...	...	...	...	0.14	1	0.14	0.78	131.12	115.30	
		Jalpigore	...	...	...	...	...	...	...	Nil	Nil	Nil	?	138.62	?	
		Alipore Doar	...	...	...	...	...	...	...	0.30	1	0.30	0.20	101.92	?	
		Fallacotta	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?	
	Purneah	Debiganj	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	84.53	98.16	
		Dumatta	...	...	...	...	...	...	...	Nil	Nil	Nil	1.40	112.62	122.25	
		Cooch Behar	...	...	...	...	...	...	...	Nil	Nil	Nil	0.38	119.57	107.13	
		Mickligunge	...	...	...	...	...	...	...	Nil	Nil	Nil	0.87	116.59	120.86	
	North Bhagalpore.	Matadbanes	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?	
		Buxa	...	...	...	...	...	...	...	0.92	1	0.92	0.62	105.49	197.54	
		Siliguri	...	...	...	...	...	...	...	0.57	1	0.57	0.57	144.05	80.21	
		Darjeeling	...	...	...	...	...	...	...	0.77	2	0.77	1.00	119.37	112.64	
CENTRAL BENGAL	Muzaffarpore	Kalimpore	...	...	...	...	...	...	...	0.67	1	0.67	0.7	76.35	83.12	
		Kissengunge	...	...	...	...	...	...	...	0.58	1	0.58	0.58	?	?	
		Arramah	...	...	...	...	...	...	...	Nil	Nil	Nil	0.12	105.45	68.35	
		Purneah	...	...	...	...	...	...	...	0.09	1	0.09	0.24	92.42	62.95	
	Durbhanga	Gondwara	...	...	...	...	...	...	...	Nil	Nil	Nil	0.26	83.90	60.91	
		Balarampore.	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?	
		Matari	...	...	...	...	...	...	...	0.30	1	0.30	0.20	80.16	?	
		Kaliaganj	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?	
	Ochumparan	Madadapore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	60.10	40.54	
		Sooopool	...	...	...	...	...	...	...	0.09	1	0.09	0.11	59.62	47.74	
		Protaganj	...	...	...	...	...	...	...	0.83	1	0.83	0.83	73.87	?	
		Tajpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.66	74.29	42.07	
	Muzaffarpore	Durbhanga	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	57.29	45.41	
		Madhubani	...	...	...	...	...	...	...	Nil	Nil	Nil	0.07	57.92	44.30	
		Rohera	...	...	...	...	...	...	...	0.32	1	0.32	0.32	63.78	?	
		Kozhera	...	...	...	...	...	...	...	Nil	Nil	Nil	?	71.34	?	
CENTRAL BENGAL	Sitamarhi	Sitamarhi	...	...	...	...	...	...	...	Nil	Nil	Nil	0.10	50.89	42.13	
		Mozufferpore	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	63.00	45.29	
		Hajipore	...	...	...	...	...	...	...	0.08	1	0.08	0.04	60.47	42.07	
		Para	...	...	...	...	...	...	...	0.04	1	0.04	?	51.32	?	
	Muzaffarpore	Mahua	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.20	?	
		Sinhur	...	...	...	...	...	...	...	Nil	Nil	Nil	?	50.87	?	
		Papri	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.54	?	
		Motihari	...	...	...	...	...	...	...	0.19	1	0.19	0.16	54.36	44.09	
	Ochumparan	Bettiah	...	...	...	...	...	...	...	0.06	1	0.06	0.13	70.20	45.81	
		Bagahi	...	...	...	...	...	...	...	0.20	1	0.20	?	63.04	?	
		Burhura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.95	?	
		Burhura	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?	



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 8th of April 1887—concl.

Met. orological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of Month.	Average total rainfall from 1st of Month.	Total rainfall since 15th May 1886.	Average rainfall from 15th May to date.
			Saturday, 2nd April.	Sunday, 3rd April.	Monday, 4th April.	Tuesday, 5th April.	Wednesday, 6th April.	Thursday, 7th April.	Friday, 8th April.	Number of rainy days.	Rainfall week.				
NORTH BEHAR—concluded.	SARUN	Gopalgunge...	...	...	...	...	...	...	...	Nil	Nil	Nil	Nil	60.23	40
		Sewan...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.01	60.20	40
SOUTH BEHAR	SHAHABAD	Chuprah...	...	...	...	...	...	...	0.20	1	0.20	0.20	0.05	60.42	39
		Buxar...	...	...	...	...	...	...	0.12	1	0.12	0.12	0.06	60.61	38
		Behree...	...	...	...	...	...	...	0.40	1	0.40	0.40	?	61.77	37
		Bhuboan...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.04	63.28	40
		Sasserain...	...	...	...	...	...	...	1.11	1	1.11	1.11	0.06	65.43	41
		Arrah...	...	...	...	...	...	...	0.06	1	0.06	0.06	0.09	69.12	39
		Mohanis...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	28.30	...
		Aurungabad...	...	...	...	...	...	0.10	...	1	0.10	0.10	0.05	67.48	45
		Gya...	...	...	...	...	...	0.16	...	Nil	Nil	0.16	0.04	67.33	45
		Nowadah...	...	...	...	...	...	0.02	0.12	2	0.14	0.14	0.10	68.26	39
		Jehanabad...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	64.82	...
		Arwal...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	64.81	...
		Daudnagar...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	61.00	...
		Sherghati...	...	...	...	...	...	...	0.40	1	0.40	0.40	?	?	...
		Rajauli...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	60.49	...
		Pakri barawan...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Patna...	...	...	...	...	...	0.03	0.08	2	0.11	0.11	0.03	66.35	41
		Dinapore...	...	...	...	...	...	0.11	...	1	0.11	0.11	0.05	75.47	40
		Behar...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.05	67.06	42
		Barh...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	62.33	60
		Bickram...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	...
		Hilsa...	...	...	...	...	...	0.02	0.06	2	0.08	0.08	?	?	...
		Monghyr...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.02	65.06	39
		Begoweral...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.06	67.41	40
		Monghyr...	...	...	...	...	...	...	0.33	1	0.33	0.33	0.05	62.66	43
		Jamui...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59.01	...
		Gopri...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	63.86	...
		Sheikpura...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.13	65.75	42
		South Bhagu-pore.	...	...	...	...	...	...	0.10	1	0.10	0.10	0.07	68.01	44
		Bhagulpore...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	63.63	...
		Bauka...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	...
		Kolgong...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	...
		Sonthal Pergunnahs.	...	...	...	...	...	...	...	Nil	Nil	Nil	0.03	67.22	39
		Rajmehal...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.06	67.17	40
		Godda...	...	...	...	...	...	...	0.73	1	0.73	0.73	0.11	67.16	41
		Pakour...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.23	73.41	38
		Nya Doonka...	...	...	...	...	...	...	0.41	1	0.41	0.41	0.05	61.76	40
		Deokhur...	...	...	...	...	...	...	0.39	1	0.39	0.39	0.06	69.75	40
		Jamtara...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	67.79	...
		Simra...	...	...	...	...	...	...	0.40	1	0.40	0.40	?	?	...
		Nanthat...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	...
CHUTIA NAG-PUR.	HAZARIBAGH	Pachamba...	...	...	...	...	...	...	0.13	1	0.13	0.13	0.05	61.29	40
		(Giridi)...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	...
		Hazaribagh...	...	...	...	...	...	0.24	0.03	2	0.27	0.27	0.08	59.07	45
		Semaguran...	...	...	...	...	...	...	0.25	1	0.25	0.25	0.02	53.34	40
		Manudi Hills...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.02	68.60	45
		Jhoomrah Hills...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	63.89	60
		Barhi...	...	...	...	...	...	1.80	...	1	1.80	1.80	?	77.38	...
		Chutia...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	69.75	...
		Karagdeha...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	61.59	...
		Kamghar...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	65.69	...
		Lohardugga...	...	...	...	...	...	...	0.03	2	0.21	0.21	?	61.49	...
		Kanchi...	...	0.18	...	...	...	...	0.24	2	0.56	0.56	0.17	64.71	50
		Paimow...	...	0.32	...	...	...	...	...	1	0.06	0.06	0.08	61.32	40
		Silli...	...	...	...	...	...	...	0.06	...	Nil	Nil	?	47.79	...
		Balumat...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	61.06	...
		Hosseinabad...	...	...	...	...	...	0.15	...	1	0.15	0.15	?	?	...
		Garwah...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	64.48	...
		Kingbhoom...	...	...	...	...	...	...	0.17	1	0.17	0.17	0.15	44.00	...
		Chyabana...	...	...	...	...	...	...	0.18	1	0.18	0.18	?	67.73	...
		Chakrahar-pore.	...	...	...	...	...	...	...	Nil	Nil	Nil	?	66.88	...
		Chatsilla...	...	...	...	...	...	...	...	1	0.26	0.26	?	47.98	...
		Baharagura...	...	...	...	...	...	0.26	...	1	0.26	0.26	?	?	...
		Purulia...	...	...	...	...	...	...	...	Nil	Nil	Nil	0.11	46.20	...
		Gobinapore...	...	...	...	...	...	0.63	0.88	2	0.91	0.91	0.13	61.02	...
		Raghunath-pore.	...	...	...	...	...	0.04	...	1	0.04	0.04	?	61.87	...
		Barrabhoom...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	37.96	...
		Jhulda...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	...
		Chas...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	59.90	...

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 14 April 1887.

**SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 8TH OF  
APRIL 1887.**

At the commencement of the week under review, the barometer was unusually high, and the temperature considerably below the average of the season. These were after effects of the remarkable series of storms and unusual rain which occurred in Bengal during the previous week.

Westerly winds prevailed in Behar and light unsteady winds in Bengal. Temperature increased rapidly in the interior of the province, and southerly winds set in again on the 2nd over the coast districts, and gradually extended their influence over the greater part of Bengal. The barometric oscillations and movements were small in amount and were slightly irregular, the barometer on more than one occasion falling at Darjeeling when it was rising in the plains and *vice versa*. A small disturbance which appears to have formed in Upper or Central India entered the province on Wednesday afternoon. The winds shifted round to east in Behar on Wednesday morning, and the southerly winds in the coast districts increased in intensity. Skies began to cloud over in Behar, and rain in moderate amounts fell in South Behar and Chutia Nagpur on Thursday (the 7th).

The barometric depression over this area of rainfall was very slight, but the indraught to it increased rapidly and strongish winds prevailed throughout the whole province on Thursday and Friday. The westerly winds across Chutia Nagpur appear to have been continued on Thursday across Central Bengal, as remarkably low humidities were registered on that day at Calcutta, Jessore and Berhampore. The disturbance passed through Southern Bengal on Friday. Skies were overcast on that day over the greater part of the province, and light to moderate showers were received in the Beerbhoom, Midnapore, Bancoora, Burdwan, Hooghly, Nuddea and Moorshedabad districts of South-West Bengal, and in Behar and Chutia Nagpur, and also locally in the Darjeeling and Julpigoree districts of North Bengal. The largest amount registered on either of these days was .92 inch at Buxa Fort in the Bhootan Dooars. The rainfall of the week was hence confined almost entirely to Chutia Nagpur, South Behar and South-West Bengal, and was small in amount Chutia Nagpur, which received the largest amount, only obtained an average of a quarter of an inch.

**Pressure.**—The barometric movements during the week were small and of little importance. A very slight fall accompanied the eastward passage of the disturbance through the province. Pressure was very considerably in excess during the week. The mean pressure for the week was .09" above the normal in Orissa, South-West and East Bengal, and in Central Behar, .10" at Darjeeling, .13" in North Behar, and .07" in Chutia Nagpur.

**Temperature.**—Has been throughout the week considerably below the average. The day temperature increased in Behar until the 6th, and in Bengal until the 7th. Maximum thermometric readings were registered on the 6th at Ranigunge (101.8°), Chyebassa (101.5°), Bankoora (101.1°), and Gya (100.3°), and on the 7th at Ranigunge (101.0°), and Bankoora (100.1°). The maximum or day temperature of the week was from 1½° at Dacca to 5° at Patna below the normal temperature of the week, and the minimum or night temperature from 2° at Purneah to 5° at Bankipore below it. The slight disturbance caused a brief, but rapid, reduction of temperature, which was greatest at Calcutta. The mean daily temperature at that station on the 8th was 12½° lower than on the 7th. The mean temperature of the week was 4.3° in defect in South Behar, 3.5° in Orissa, 3° in South-West Bengal and North Behar, and 2° in East Bengal and Chutia Nagpur.

The following table gives temperature data for eight representative stations:—

*Table showing the excess or defect of the actual temperature from the normal for the week ending 8th April 1887.*

	Normal mean maximum temperature for the week ending 8th April 1887.	Actual mean maximum temperature for the week ending 8th April 1887.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 8th April 1887.	Actual mean minimum temperature for the week ending 8th April 1887.	Variation of actual from normal.	Normal mean daily temperature for the week ending 8th April 1887.	Actual mean daily temperature for the week ending 8th April 1887.	Variation of actual from normal.
Cuttack	99.9	98.0	-1.9	76.3	73.2	-3.1	88.1	85.6	-2.5
Calcutta	95.6	91.3	-4.3	74.5	71.1	-3.4	85.1	81.2	-3.9
Burdwan	95.8	95.3	-.5	73.8	71.3	-2.5	86.3	83.3	-3.0
Dacca	92.7	91.3	-1.4	72.8	69.9	-2.9	82.8	80.6	-2.2
Purneah	96.7	92.9	-3.8	68.4	66.4	-2.0	82.5	79.7	-2.8
Bankipore	98.8	94.0	-4.8	70.6	65.5	-5.1	84.7	79.8	-4.9
Hazaribagh	94.6	92.7	-1.9	68.8	66.8	-2.0	81.7	79.8	-1.9
Darjeeling	60.6	68.7	+8.1	40.4	43.6	+3.2	53.5	51.2	-2.3

**Humidity.**—The air was unusually dry at the commencement of the week in Chutia Nagpur and South Behar. The lowest 10 A.M. humidities recorded were 8 per cent. at Hazaribagh on the 6th, 10 per cent. at Dehree on the same day, and 12 per cent. at Chupra and Gya on the 12th. The air was unusually dry on the morning of the 7th in Calcutta and South Bengal. Thus at Calcutta it was 38 per cent., at Krishnaghur 29 per cent., at Jessore 42 per cent., and at Dacca 54 per cent.; the average Apr

humidity at these stations varying from 60 at Calcutta to 70 per cent. at Dacca. A rapid increase of humidity took place on the 7th and 8th in Behar and Chutia Nagpur, and in Bengal on the 8th.

**Rainfall**—Occurred in connection with the feeble disturbance which passed through the province from west to east. South Behar and Chutia Nagpur received a few local showers of little importance on the 7th, and Behar, Chutia Nagpur, the western districts of South-West Bengal, and the most northern districts of North Bengal on the 8th.

The only districts which received an average for the week exceeding two-tenths of an inch were—the Darjeeling district (.71 inch), Shahabad (.42 inch), Lohardugga and Manbhoom (.38 inch), the Sonthal Pergunnahs (.3 inch), Beerbhoom (.45 inch), and Midnapore (.26 inch). The largest amounts hence fell in those districts which received the least rain from the disturbance of the previous week.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 8th of April 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1886.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa ... ..	99.9	69.1	89.1	73.4	81.3	-3.5	Nil	0.26	-0.26	0.0	0.5	-0.5	Nil	0.28	62.91	55.93
South-West Bengal ...	101.8	64.5	93.8	71.5	82.7	-3.2	0.14	0.31	-0.17	0.6	0.7	-0.1	0.14	0.34	60.53	54.72
East Bengal ... ..	93.1	61.1	89.2	68.6	78.9	-2.1	0.01	0.72	-0.71	0.1	1.1	-1.0	0.01	0.70	87.17	79.23
North Bengal ... ..	95.7	58.9	91.4	65.7	78.5	-	0.02	0.38	-0.36	0.2	0.7	-0.5	0.02	0.43	80.03	71.40
North Behar ... ..	98.5	55.7	92.8	64.2	78.5	-3.0	0.04	0.07	-0.03	0.4	0.2	+0.2	0.04	0.10	68.41	48.13
South Behar ... ..	100.3	69.0	94.1	66.8	80.4	-4.3	0.19	0.04	+0.15	0.7	0.2	+0.5	0.19	0.07	64.31	43.48
Chutia Nagpur ... ..	98.0*	61.4*	92.3*	66.2*	79.2*	-1.9*	0.25	0.07	+0.18	1.1	0.3	+0.8	0.25	0.08	54.30	30.91

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

The 12th April 1887.

JOHN ELIOT,

Meteorological Reporter to the Govt. of Bengal.

Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 3rd to 9th April 1887.

MONTH.				TEMPERATURE.				Mean wet bulb.	HYGROMETRY.				Rain.
				Date.	Mean.	Maximum.	Range.		Minimum.	Vapour tension.	Dew point.	Humidity.	
1887.				°	°	°	°	°	Inches.	°	%	Inches.	
April	...	3rd	...	81.7	93.2	20.9	72.3	71.7	.644	66.2	60	Nil.	
"	...	4th	...	81.7	94.3	23.5	70.8	70.8	.608	64.5	56	"	
"	...	5th	...	82.0	96.0	25.2	70.8	71.2	.646	66.2	57	"	
"	...	6th	...	82.1	93.8	21.0	72.8	73.1	.695	68.4	63	"	
"	...	7th	...	81.0	93.8	23.8	70.0	70.6	.610	64.6	58	"	
"	...	8th	...	73.7	79.9	9.6	70.3	69.5	.666	67.1	80	"	
"	...	9th	...	78.6	91.0	22.4	68.6	73.6	.763	71.1	73	"	

The mean temperature of the seven days ... 80.1  
 The extreme variation of temperature ... 27.4  
 The maximum temperature ... 96.0

The mean relative humidity ... 65  
 The total fall of rain from 3rd to 9th April 1887 ... Nil.

The mean temperature and humidity are obtained by applying to the mean of the 10th, 16th, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

The 11th April 1887.

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.



## MEMORANDUM.

THE table annexed to this memorandum shows—

1. That during the week ending 26th March 1887, births and deaths were registered in the principal Municipalities in Bengal, at the rates respectively of 19·2 and 27·8 per 1,000 of population, against 20·3 and 25·1 per 1,000 respectively, during the preceding week ending 19th March, indicating a fair advance in the registration of deaths with a falling off in that of births.

2. That these events were returned in the highest proportions from the following Municipalities :—

<i>Births.</i>			<i>Deaths.</i>		
		Ratio per mille.			Ratio per mille.
Comillah	...	42·4	Gya	...	85·4
Beauleah	...	39·4	Comillah	...	61·6
Durbhanga	...	39·3	Suburbs of Calcutta	...	48·0
Gya	...	38·3	Serampore	...	45·1
			Bali	...	42·1
			Poori	...	42·0
			Beauleah	...	34·2

3. That the mortality from the specific death-causes stood as follows, in comparison with that of the preceding week :—

				Ratio per mille during the weeks ending—	
				26th March 1887.	19th March 1887.
Cholera	...	...	...	8·1	6·3
Small-pox	...	...	...	·03	·1
Fevers	...	...	...	9·7	7·6
Bowel-complaints	...	...	...	2·8	3·8
Injury	...	...	...	·4	·4
Other causes	...	...	...	6·7	6·9

indicating chiefly that there was a sensible increase of mortality from cholera and fever, with a noticeable decrease in that from bowel-complaints.

4. That excluding small-pox, bowel-complaints, and injury, the casualty-rates from which were nowhere conspicuously great, the remainder of the above-named diseases caused the highest mortality in the following Municipalities :—

<i>Cholera.</i>			<i>Fevers.</i>			<i>Other causes.</i>		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Gya	...	38·3	Beauleah	...	28·9	Comillah	...	26·9
Bali	...	31·6	Comillah	...	26·9	Gya	...	16·4
Serampore	...	19·6	Gya	...	24·6	Poori	...	14·7
Poori	...	18·9	Purneah	...	24·3	Midnapore	...	12·4
Suburbs of Calcutta	...	18·6	Hughli	...	21·5	Suburbs of Calcutta	...	11·8
Naraingunge	...	16·5				Bhagulpore	...	10·9
Howrah	...	6·3						
Burdwan	...	6·1						
Patna	...	2·6						

5. That the mortality of the week distributed under the heads of *Sex*, *Class* and *Age* stood as follows :—

<i>According to Sex.</i>			<i>According to Class.</i>			<i>According to Age.</i>		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	29·1	Christians	...	30·4	Under 1 year	...	147·2
Females	...	26·3	Hindus	...	28·5	1 and under 5 years	...	39·3
Ratio of male deaths to every 100 female deaths	125		Mahomedans	...	26·3	5 " " 10 "	...	12·3
			Budhists	...	24·2	10 " " 15 "	...	10·0
						15 " " 20 "	...	13·6
						20 " " 30 "	...	18·6
						30 " " 40 "	...	25·1
						40 " " 50 "	...	20·4
						50 " " 60 "	...	38·2
						60 years and upwards	...	77·5

The 11th April 1887.

R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.



DISTRICTS.		NAMES OF MUNICIPALITIES.		DEATHS AMONG—										DEATHS.										RATIO PER 1,000 OF POPULATION PER ANNUM.										Age.										RATIO PER 1,000 OF POPULATION PER ANNUM.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				Mahomedans.					Buddhists.					Other classes.					Christians.					Hindus.					Mahomedans.					Buddhists.					Other classes.					Under 1 year.					1 and under 5 years.					5 and under 10 years.					10 and under 15 years.					15 and under 20 years.					20 and under 30 years.					30 and under 40 years.					40 and under 50 years.					50 and under 60 years.					60 years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				Hindus.					Mahomedans.					Buddhists.					Other classes.					Under 1 year.					1 and under 5 years.					5 and under 10 years.					10 and under 15 years.					15 and under 20 years.					20 and under 30 years.					30 and under 40 years.					40 and under 50 years.					50 and under 60 years.					60 years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
				Hindus.					Mahomedans.					Buddhists.					Other classes.					Under 1 year.					1 and under 5 years.					5 and under 10 years.					10 and under 15 years.					15 and under 20 years.					20 and under 30 years.					30 and under 40 years.					40 and under 50 years.					50 and under 60 years.					60 years and upwards.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
Burdwan	Burdwan	14	4	307	203	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...</

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,  
The 11th April 1887.R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.



## EAST INDIAN RAILWAY.

Statement of Goods Traffic in Staples carried during the 4 weeks ending 26th February 1887, as compared with the same period of 1886.

STAPLES.	1887.		1886.		Increase.		Decrease.	
	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.	Weight.	Freight.
	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.	Mds.	Rs.
<b>ANIMALS, LIVING.</b>	No. 363	6,070	No. 134	1,517	No. 229	4,553	No. 17	.....
FOR SALE.	.....	.....	.....	.....	.....	.....	.....	.....
Horses, ponies, and mules	38	900	55	402	.....	548	.....	.....
Cattle	3,463	2,358	2,861	1,741	No. 802	617	.....	.....
Sheep and goats	2	53	.....	.....	2	53	.....	.....
Other kinds	9,169	7,563	5,024	4,167	4,145	3,456	.....	.....
<b>BORAX</b>	124	206	127	207	.....	.....	3	1
Canes and ratans	.....	.....	.....	.....	.....	.....	.....	.....
Caoutchouc (Indian-rubber)	127	327	121	328	6	.....	.....	.....
Chinese and Japanese ware	6,71,380	2,26,381	7,07,610	2,70,271	.....	.....	36,260	43,800
Coal and coke, up	21,12,336	2,95,587	23,15,776	3,09,927	.....	.....	1,03,440	14,340
Do., down	2,36,112	2,17,006	1,67,196	1,49,220	68,916	63,476	.....	.....
Cotton, raw	8,886	11,465	8,593	11,430	.....	35	7	.....
Twist and yarn (European)	14,245	8,085	13,754	7,936	489	140	.....	.....
Ditto (Indian)	1,66,289	1,77,157	1,51,490	1,71,960	8,799	5,197	.....	.....
Piece-goods (European)	19,428	13,579	20,248	14,228	.....	.....	820	640
Ditto (Indian)	866	409	548	352	318	67	.....	.....
<b>DRUGS AND MEDICINES.</b>	1,501	1,934	1,651	1,982	.....	.....	150	28
Intoxicating drugs (other than opium, i.e., arsenic, bhang, ganja, and churus, &c.)	1,875	1,528	3,257	2,153	.....	.....	1,382	625
<b>DYEING MATERIALS.</b>	.....	.....	.....	.....	.....	.....	.....	.....
Indigo	1,303	1,568	1,279	1,557	24	11	.....	.....
Madder or manjit	42	24	392	101	.....	.....	350	77
Safflower	111	50	165	45	.....	5	54	.....
Turnmeric	10,951	9,879	15,427	14,837	.....	.....	4,476	4,958
Other kinds	16,174	9,457	9,852	7,453	6,322	2,004	.....	.....
<b>Earthenware and porcelain</b>	804	1,539	754	1,408	50	131	.....	.....
Do., raw	17,136	7,460	15,886	7,093	1,300	367	.....	.....
Do., manufactured (gunny bags and cloths).	65,106	28,243	71,448	37,149	.....	.....	6,342	8,906
Other fibres, raw	8,336	5,701	2,366	2,284	5,970	3,417	.....	.....
Ditto, manufactured	2,882	975	2,611	881	271	94	.....	.....
<b>FRUITS &amp; NUTS</b>	.....	.....	.....	.....	.....	.....	.....	.....
Cocoanuts	3,910	3,290	1,856	2,699	1,554	591	.....	.....
All other kinds	43,034	30,708	58,249	40,104	.....	.....	15,215	9,396
Wheat	1,56,946	48,321	2,67,406	85,711	.....	.....	1,10,460	37,390
Gram and pulses	2,96,274	60,441	3,14,394	84,181	.....	.....	18,120	23,740
<b>GRAIN &amp; PULSES</b>	.....	.....	.....	.....	.....	.....	.....	.....
Rice, husked	10,75,381	2,59,292	7,14,141	1,24,792	3,61,240	1,34,500	.....	.....
Do., unhusked	35,272	7,861	27,372	5,141	7,900	2,720	.....	.....
Other rain and spring crops	2,1,419	41,161	2,68,839	56,631	.....	.....	52,420	15,470
<b>Gums and resins</b>	4,033	2,483	3,669	2,480	364	.....	.....	.....
Hides of cattle	98,255	61,676	1,12,376	68,130	.....	.....	14,134	6,484
Skins of sheep, goats, and small animals.	12,157	7,072	14,913	7,993	.....	.....	2,756	921
<b>HORNS</b>	.....	.....	.....	.....	.....	.....	.....	.....
Do.	1,682	806	1,691	842	.....	.....	9	36
<b>LAC</b>	.....	.....	.....	.....	.....	.....	.....	.....
Lac dye	883	719	889	721	.....	.....	6	2
Do, shell	20,318	14,085	21,328	14,374	.....	.....	1,010	280
Do, stick and other kinds	28,630	8,770	26,279	8,186	2,251	584	.....	.....
Leather manufactured	1,848	3,138	1,098	2,404	250	734	.....	.....
Ditto, manufactured	3,082	4,400	2,906	4,301	176	179	.....	.....
<b>LIQUORS</b>	.....	.....	.....	.....	.....	.....	.....	.....
Do.	16,870	13,427	12,761	13,621	4,109	.....	.....	194
<b>MATS</b>	.....	.....	.....	.....	.....	.....	.....	.....
Do.	348	210	322	206	26	4	.....	.....
<b>METALS AND MANUFACTURES</b>	.....	.....	.....	.....	.....	.....	.....	.....
Brass and copper	42,025	32,020	41,783	31,339	842	.....	.....	.....
Iron	78,295	49,515	71,858	48,865	6,437	650	.....	.....
Other metals	7,552	8,499	9,766	8,961	.....	.....	2,114	471
<b>OILS</b>	.....	.....	.....	.....	.....	.....	.....	.....
Do.	15,944	7,547	30,394	19,175	.....	.....	14,450	11,628
Opium	46,131	54,145	57,936	69,025	.....	.....	11,895	4,880
Paints and colours	2,634	2,769	2,860	2,728	.....	32	226	.....
<b>PROVISIONS</b>	.....	.....	.....	.....	.....	.....	.....	.....
Ghee	80,281	24,088	51,439	24,057	.....	32	1,158	.....
Other kinds	7,281	6,314	6,262	6,078	1,619	336	.....	.....
<b>RAILWAY MATERIALS, Construction Account</b>	1,00,099	6,210	1,41,510	8,697	57,689	.....	.....	3,487
Ditto ditto, Foreign	3,93,045	2,01,345	2,59,761	1,42,074	1,42,357	53,372	.....	.....
<b>SALT</b>	.....	.....	.....	.....	.....	.....	.....	.....
Do.	4,93,612	20,973	4,91,359	24,683	1,613	.....	.....	3,710
<b>SALTPETRE, &amp;c.</b>	.....	.....	.....	.....	.....	.....	.....	.....
Saltpetre	57,552	26,440	62,231	27,435	.....	.....	4,679	1,026
Other saline substances	12,131	2,622	11,385	2,557	746	65	.....	.....
<b>SEEDS</b>	.....	.....	.....	.....	.....	.....	.....	.....
Linseed	88,681	39,132	29,811	5,592	58,870	21,030	.....	.....
Mustard and rape	2,44,321	63,938	2,18,421	54,718	25,900	9,220	.....	.....
Til or singely	58,537	13,514	31,717	6,664	26,820	6,850	.....	.....
Other oilseeds	81,163	29,683	1,22,203	44,485	.....	.....	41,040	17,800
<b>OTHER SEEDS</b>	.....	.....	.....	.....	.....	.....	.....	.....
Indigo seed	1,27,138	37,461	87,948	33,501	39,190	5,960	.....	.....
Tea seed	.....	.....	.....	.....	.....	.....	.....	.....
Other kinds	33,214	9,359	25,554	7,749	7,690	1,610	.....	.....
<b>SILK</b>	.....	.....	.....	.....	.....	.....	.....	.....
Silk, raw	2,805	1,800	2,081	1,446	724	354	.....	.....
Do., manufactured (European)	59	137	54	130	5	7	.....	.....
Do., ditto (Indian)	299	301	288	277	11	24	.....	.....
<b>SPICES</b>	.....	.....	.....	.....	.....	.....	.....	.....
Do.	21,611	16,147	38,921	29,293	.....	.....	17,310	13,146
<b>STONE AND MARBLE</b>	.....	.....	.....	.....	.....	.....	.....	.....
Do.	1,05,739	13,215	88,947	12,483	17,692	732	.....	.....
<b>SUGAR</b>	.....	.....	.....	.....	.....	.....	.....	.....
Sugar, refined	98,681	33,773	1,60,937	37,872	.....	.....	62,256	14,099
Do., unrefined	5,41,756	1,00,414	3,89,092	90,320	1,52,604	10,094	.....	1,307
Tea, Indian	2,608	811	1,761	2,118	907	.....	.....	13
Do., Foreign	52	3	461	15	.....	.....	2,078	2,737
<b>TOBACCO</b>	.....	.....	.....	.....	.....	.....	.....	.....
Do.	14,811	5,416	17,389	8,143	.....	.....	.....	1,964
<b>WOOD</b>	.....	.....	.....	.....	.....	.....	.....	.....
Timber	31,300	6,640	26,215	8,604	5,085	.....	.....	.....
Firewood	73,702	5,454	58,276	3,799	15,426	1,655	.....	.....
Wool, raw	281	293	480	435	.....	.....	99	142
Do., manufactured (European)	676	1,356	531	1,304	45	52	.....	.....
Wool, manufactured (Indian)	1,308	1,236	996	835	312	401	.....	.....
Shawls	.....	.....	.....	.....	.....	.....	.....	.....
<b>ALL OTHER ARTICLES OF MERCHANDISE</b>	2,93,391	1,63,434	2,97,881	1,77,138	.....	.....	4,490	15,704
Government stores	18,368	36,696	26,564	33,845	.....	2,851	8,106	.....
Minerals	69,817	18,815	77,671	21,491	.....	.....	7,854	7,676
<b>Total</b>	86,63,798	26,89,686	81,73,882	26,04,765	10,35,994	3,50,079	5,46,078	2,65,148

N. ST. L. CARTER,

Traffic Manager

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 7th April 1887.

*General remarks on the fluctuation of principal staples carried over the East Indian Railway during the month ended 26th February 1887.*

## INCREASES.

*Cotton.*—The increase in this staple was due to a good demand for export.  
*Piece-goods.*—This increase may be ascribed chiefly to demand in connection with native marriage ceremonies and the approaching Holi festival.  
*Other fibres, raw.*—This is the new traffic in hemp referred to in previous reports.  
*Rice (husked and unhusked).*—Due to a heavy demand in Calcutta for shipment. There was still the demand referred to last month in the Central and North-Western Provinces.  
*Railway Material, Foreign.*—Due to despatches to Sonepore for the Bengal and North-Western Railway, to Benares for the Oudh and Rohilkund Railway, and to Chowra for the Indian Midland Railway.  
*Seeds.*—There was an increase in all descriptions of seed, except "other seeds," due to a fair demand during the period for ready sales in Calcutta.

## DECREASES.

*Coal and coke, up and down.*—The decrease in the upward despatches follow the larger increase reported to have occurred in February in coal taken by Foreign railways.  
 The decrease in downwards traffic is not large when the total traffic is taken into consideration.  
*Gunny.*—Due to absence of demand for bags, following the decrease in the export wheat traffic.  
*Fruits, other kinds.*—Chiefly in betel-nuts from Howrah, and myrabolams from Jubbulpore line stations.  
*Wheat.*—The decrease was in the despatches from all wheat-despatching stations, Hathras and above.  
*Gram and pulses.*—This decrease was due to an exceptional demand in 1886 not existing in 1887.  
*Other rain and spring crops.*—High local prices checked the demand at Howrah and elsewhere: hence this decrease.  
*Hides.*—This decrease can only be accounted for by absence of demand at Howrah.  
*Oil.*—The falling off was in Kerosine oil.  
*Opium.*—Due to Government arrangements.  
*Salt.*—There was an increase in the weight carried, attended with a slight decrease in earnings.  
*Spices.*—This decrease was chiefly in chillies and other spices to Howrah from Mokameh and Tirhoot.  
*Sugar, refined and unrefined.*—There was an increase in the weight carried and a decrease in the earnings due to short lead traffic over this line.

N. ST L. CARTER, *Traffic Manager.*

TRAFFIC MANAGER'S OFFICE, JAMALPUR, the 7th April 1887.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 2nd April 1887, on 1,519 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	240,923	3,68,174 15 0	27,59,163 10	7,33,085 0 0	18,051 12 0	10,59,311 11 0	70,446½	112,274½	182,721
Or per mile of railway ...	...	202 14 1	...	482 9 9	11 14 2	697 6 0	...	...	...
For previous 12 weeks of half-year ...	3,083,820	35,82,101 7 0	3,16,76,457 30	82,00,749 0 10	2,22,333 0 9	1,20,05,183 8 7	823,959½	1,341,265½	2,165,225
Total for 13 weeks ...	3,324,743	38,90,276 6 0	3,44,35,621 0	89,33,834 0 10	2,40,384 12 9	1,30,64,495 3 7	894,397½	1,453,540	2,347,937
COMPARISON.									
Total for corresponding week of previous year ...	231,601½	3,13,713 3 9	26,41,045 30	6,75,462 12 3	20,042 0 6	10,12,218 0 6	69,161	113,781	182,942
Per mile of railway corresponding week of previous year ...	...	207 1 2	...	447 13 3	13 3 8	669 2 1	...	...	...
Total to corresponding date of previous year ...	3,116,260	37,77,387 0 7	3,62,55,641 20	87,83,733 11 3	2,85,266 0 8	1,28,40,386 12 6	896,702	1,478,413	2,375,115

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			RECEIPTS FOR WEEK ENDING 2ND APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
1,515	Rs. 10,12,218	Rs. 668	1,519	Rs. 10,59,312	Rs. 697	1,515	Rs. 4,67,93,838	30,887	1,515½	Rs. 4,70,40,750	31,047	Rs. 2,46,912	...

## PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 2nd April 1887, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	17,020	9,650 1 0	65,514 10	3,942 13 0	64 10 0	13,657 8 0	1,793	1,734	3,527
Or per mile of railway ...	298	1 8 11 4	1,145 20	68 14 10	1 2 1	238 12 3	...	...	...
For previous 12 weeks of half-year ...	*162,880	*89,712 9 0	+6,09,682 10	+36,986 11 9	†688 6 6	1,27,387 11 3	29,784	9,684	39,468
Total for 13 weeks ...	179,900	99,362 10 0	6,75,196 20	40,929 8 9	753 0 0	1,41,045 3 3	22,577	11,418	33,995
COMPARISON.									
Total for corresponding week of previous year ...	16,687½	9,635 6 10	70,541 10	5,883 0 0	46 10 0	15,565 0 10	1,464	1,316	2,780
Per mile of railway corresponding week of previous year ...	292	168 7 3	1,390 30	102 13 7	0 13 0	272 1 10	...	...	...
Total to corresponding date of previous year ...	173,650	95,854 12 0	6,60,296 20	43,460 12 0	746 8 3	1,40,071 0 3	23,529	11,010	34,539

\* Added No. of passengers 6,846 and Rs. 4,746. 0 0

† Added Mds. 68,359-10 and

‡ Ditto

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			RECEIPTS FOR WEEK ENDING 2ND APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Rs.	
57½	Rs. 15,565	Rs. 272	57½	Rs. 13,658	Rs. 239	57½	Rs. 5,04,041	8,812	57½	Rs. 5,39,750*	9,436	Rs. 35,709	...

\* Added Rs. 5,767 on account of difference between the approximate and audited figures up to 26th February 1887.



*Approximate Return of Traffic for week ended 2nd April 1857, on 12 miles open.*

Added number of passengers	1,790	and Rs.	245	0	0	} on account of differences between the approximate and audited returns to week ended 26th February 1887.
Mds. 606-10 and deducted		"	70	4	6	
Deducted		"	9	6	6	

RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			RECEIPTS FOR WEEK ENDING 2ND APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.*	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
12	1,169	97	12	968	81	12	46,521	3,877	12	47,731*	3,978	1,210	.....

*Approximate Return of Traffic for week ended 2nd April 1887, on 74½ miles open.*

* Added number of passengers 340 and deducted	Rs. 107 0 0	} on account of differences between the approximate and audited returns to week ended 26th February 1887.
Do. Mds. 21,903-30 and	„ 418 5 6	
† Deducted	„ 8 1 3	

RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			RECEIPTS FOR WEEK ENDING 2ND APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
74½	7,613	102	74½	8,686	116	74½	3,72,868	4,985	74½	4,05,633*	5,423	32,770	.....

\* Added Rs. 393 on account of difference between the approximate and audited figures up to 26th February 1887.

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 2nd April 1887, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANTISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	18,078	5,440 3 0	8,081 10	305 4 0	7 3 0	5,752 10 0	914	54	968
Or per mile of railway...	.....	244 8 0	.....	13 11 7	0 5 2	258 8 9	.....	.....	.....
For previous 12 weeks of half-year...	241,338*	64,824 8 0*	1,06,573 20†	3,443 0 0†	78 0 3‡	68,345 8 3	11,013	471	12,084
Total for 13 weeks...	259,416	70,264 11 0	1,14,654 30	3,748 4 0	85 3 3	74,098 2 3	12,527	525	13,052
COMPARISON.									
Total for corresponding week of previous year...	21,307‡	5,809 1 3	10,948 0	397 13 0	3 2 6	6,210 0 9	913	55	968
Per mile of railway corresponding week of previous year...	.....	261 1 4	.....	17 14 1	0 2 3	279 1 2	.....	.....	.....
Total to corresponding date of previous year...	234,634‡	69,471 1 0	1,62,038 10	5,410 8 0	79 5 5	74,960 14 5	13,755	2,081	15,836

\* Added number of passengers 8,785 and Rs. 1,364 0 0 }  
 † Mds. 199-30 and deducted " 139 7 0 } on account of differences between the approximate and audited returns to week ended 26th February 1887.  
 ‡ " " 12 13 0 }

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			RECEIPTS FOR WEEK ENDING 2ND APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
22½	6,210	279	22½	5,753	259	22½	2,54,810	11,452	22½	2,49,154*	11,198	.....	5,656

\* Added Rs. 1,246 on account of difference between the approximate and audited figures up to 26th February 1887.  
 Deducted Rs. 1,726 excess included in week ended 4th September 1886.

## INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for week ended 2nd April 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANTISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	2,639	1,196 13 6	42,997 30	3,141 6 0	33 11 0	4,371 14 6	179	754	934
Or per mile of railway...	.....	28 7 11	.....	74 12 9	0 12 10	104 1 6	.....	.....	.....
For previous 12 weeks of half-year...	30,253*	14,324 15 3*	6,44,690 20†	42,247 4 0†	393 14 9‡	56,960 2 0	2,438	7,348	9,786
Total for 13 weeks...	32,922	15,521 12 9	6,87,688 10	45,388 10 0	427 9 9	61,338 0 6	2,608	8,102	10,710
COMPARISON.									
Total for corresponding first 3 days of previous year...	627‡	303 5 3	5,233 0	356 13 0	10 3 0	670 5 3	252	.....	252
Per mile of railway corresponding week of previous year...	.....	7 3 7	.....	8 7 11	0 3 10	15 15 4	.....	.....	.....
Total to corresponding date of previous year...	627‡	303 5 3	5,233 0	356 13 0	10 3 0	670 5 3	252	.....	252

\* Added No. of passengers 150 and Rs. 176 0 0 }  
 † Added Mds. 13,524 and deducted " 1,751 3 0 } on account of differences between the approximate and audited returns to week ended 26th February 1887.  
 ‡ Deducted " 3 9 0 }

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR FIRST 3 DAYS OF APRIL 1886.			RECEIPTS FOR WEEK ENDING 2ND APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
42	670	16	42	4,372	104	.....	.....	.....	42	1,52,745*	3,637	.....	.....

\* Deducted Rs. 1,679 on account of difference between the approximate and audited figures up to week ended 26th February 1887.



## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 26th March 1887, on 246 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week on 246 miles open ...	37,309½	Rs. A. P. 13,378 7 2	Mds. S. 1,70,762 30	Rs. A. P. 17,799 10 0	Rs. A. P. 3,356 6 2	Rs. A. P. 34,534 7 4	5,430	6,337	11,767
Or per mile of railway ...	152	54 6 0	694 0	72 6 0	3 1 0	129 13 0*	.....	.....	.....
For previous 11 weeks of half-year ...	413,017½	1,66,020 8 10	17,99,416 10	1,75,791 6 0	36,141 9 10	3,77,953 8 8	62,392	61,329	123,721
Total for 12 weeks ...	450,327	1,79,399 0 0	19,70,179 0	1,93,591 0 0	39,498 0 0	4,12,488 0 0	67,822	67,656	135,478
COMPARISON.									
Total for corresponding week of previous year on 226 miles open	35,700½	11,184 10 4	88,134 30	10,032 13 8	2,400 5 5	23,707 13 5	4,198	4,499	8,697
Or per mile of railway corresponding week of previous year ...	158	49 8 0	390 0	44 6 0	2 10 0	96 8 0*	.....	.....	.....
Total to corresponding date of previous year ...	411,827½	1,45,050 8 0	15,33,949 20	1,51,130 12 3	33,717 15 1	3,29,899 3 4	51,836	57,388	109,224

\* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 27TH MARCH 1886.			RECEIPTS FOR WEEK ENDING 26TH MARCH 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 27TH MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 26TH MARCH 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Year mileage worked.	Receipts.	Per mile worked.	Year mileage worked.	Receipts.	Per mile worked.	Year mileage worked.	Total receipts.	Per mile worked.	Year mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
246	23,708	105	246	34,534	140	226	12,87,386	5,696	246	15,81,227*	6,428	2,93,841	.....

\* Includes figures of supplementary audited traffic return for the quarter ended 31st December 1886.

## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 2nd April 1887, on 246 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
Total traffic for the week on 246 miles open ...	42,198½	Rs. A. P. 14,735 5 5	Mds. S. 1,63,569 0	Rs. A. P. 18,096 8 0	Rs. A. P. 3,249 8 11	Rs. A. P. 36,081 6 4	5,522	6,095	12,217
Or per mile of railway ...	172	59 14 0	665 0	73 9 0	2 10 0	136 1 0*	.....	.....	.....
For previous 12 weeks of half-year ...	450,008½	1,79,726 10 7	19,61,522 0	1,94,755 8 0	39,214 7 1	4,12,696 9 8	67,853	67,025	1,35,478
Total for 13 weeks ...	492,207	1,94,462 0 0	21,28,091 0	2,12,852 0 0	41,464 0 0	4,48,778 0 0	73,375	74,320	1,47,695
COMPARISON.									
Total for corresponding week of previous year on 226 miles open	34,652	12,633 10 4	97,257 20	11,367 14 0	2,408 5 3	26,409 13 7	4,592	4,994	9,576
Or per mile of railway corresponding week of previous year ...	153	55 14 0	430 0	50 5 0	1 11 0	107 14 0*	.....	.....	.....
Total to corresponding date of previous year ...	446,479½	1,57,684 2 4	16,21,207 0	1,62,498 10 3	39,126 4 4	3,56,309 0 11	56,430	62,372	1,18,802

\* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			RECEIPTS FOR WEEK ENDING 2ND APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 3RD APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 2ND APRIL 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Year mileage worked.	Receipts.	Per mile worked.	Year mileage worked.	Receipts.	Per mile worked.	Year mileage worked.	Total receipts.	Per mile worked.	Year mileage worked.	Total receipts.	Per mile worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
246	26,410	117	246	30,081	147	226	26,410(a)	117	246	30,081(a)	147	9,671	.....

(a) Includes figures of last 4 and 5 days of March 1886 and 1887.



## KAUNIA AND DHARLLA STATE RAILWAY.

Approximate Return of Traffic for the week ended 26th March 1887, on 37 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	2,542	970 0 0	6,111 0	300 0 0	1,530 0 0	2,890 0 0	259 7	259 7	51 1
Or per mile of railway...	69	26 0 0	165 0	11 0 0	.....	37 0 0	.....	.....	.....
For previous 12 weeks of half-year...	25,965	10,339 0 0	88,864 0	4,351 0 0	18,575 0 0	33,965 0 0*	2,925	3,534	6,459
Total for 13 weeks...	28,507	11,309 0 0	94,975 0	4,741 0 0	20,105 0 0	36,155 0 0	3,184	3,793	6,977
COMPARISON.									
Total for corresponding week of previous year...	2,095	920 0 0	2,275 0	190 0 0	1,008 0 0	2,718 0 0	264	264	528
Per mile of railway corresponding week of previous year...	57	25 0 0	61 0	5 0 0	.....	30 0 0	7	7	.....
Total to corresponding date of previous year...	27,956	11,956 0 0	35,168 0	2,436 0 0	20,655 0 0	35,047 0 0	3,187	3,187	6,374

\* Audited up to week ending 5th February 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Kaunia and Dharlla State Railway.

RECEIPTS FOR WEEK ENDING 27TH MARCH 1886.			RECEIPTS FOR WEEK ENDING 26TH MARCH 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 27TH MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 26TH MARCH 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
37	2,718	73	37	2,890	78	37	1,29,779	69	37	1,32,192*	70	2,413	.....

\* Audited up to week ending 5th February 1887.

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 2nd April 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	2,714½	1,065 8 8	16,778 20	1,040 14 0	17 13 0	2,123 3 8	509	254	.....
Or per mile of railway...	100	39 0 0	616 0	38 3 0	0 10 0	77 13 0	.....	.....	.....
For previous 12 weeks of half-year...	37,432½	14,041 7 4	1,77,203 20	9,651 2 0	263 3 0	23,955 12 4	6,180	4,717	10,897
Total for 13 weeks...	40,147	15,105 0 0	1,93,983 0	10,692 0 0	281 0 0	26,078 0 0	6,689	4,971	11,660
COMPARISON.									
Total for corresponding week of previous year...	2,859½	1,201 10 3	8,494 30	610 13 0	17 8 0	1,829 15 3	509	254	.....
Per mile of railway corresponding week of previous year...	106	44 1 0	311 0	22 7 0	0 10 0	67 2 0	.....	.....	.....
Total to corresponding date of previous year...	35,246½	13,542 0 0	1,13,699 20	8,482 10 0	261 0 0	22,386 1 0	6,762	3,593	10,355

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 3RD APRIL 1886.			RECEIPTS FOR WEEK ENDING 2ND APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 3RD APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 2ND APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,880	67	27½	2,123	78	27½	1,830*	67	27½	2,123*	78	292	.....

\* Includes figures of last 4 and 5 days of March 1886 and 1887.

# NORTHERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the week ended 26th March 1887, on 249 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings inclusive steam-boat (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	21,493	14,540 0 0	1,30,995 0	21,030 0 0	3,400 0 0	38,970 0 0	5,012	7,078	12,090
per mile of railway ...	86	58 0 0	526 0	84 0 0	.....	142 0 0	20	32	52
for previous 12 weeks of half-year ...	220,346	1,66,637 0 0	15,92,748 0	2,97,312 0 0	40,447 0 0	5,13,396 0 0*	55,650	101,986	157,636
Total for 13 weeks ...	241,839	1,81,177 0 0	17,23,643 0	3,18,342 0 0	52,847 0 0	5,52,366 0 0	60,662	109,964	170,626
COMPARISON.									
Total for corresponding week of previous year ...	25,580	16,283 5 3	2,69,567 0	30,157 4 4	6,290 6 5	(a) 52,731 0 0	5,012	8,032	13,044
per mile of railway corresponding week of previous year ...	103	65 6 4	1,083 0	121 1 9	.....	186 8 2	20	32	52
Total to corresponding date of previous year ...	249,642	1,87,684 15 9	24,56,869 0	3,98,549 12 0	66,541 9 0	6,52,176 4 9	60,860	126,421	187,281

\* Audited up to week ending 5th February 1887.  
(a) Includes Rs. 9,206, viz. ballast train receipts Rs. 6,070 and sundry receipts Rs. 2,536.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Northern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 27th MARCH 1886.			RECEIPTS FOR WEEK ENDING 26th MARCH 1887.			TOTAL RECEIPTS FROM 1st APRIL 1885 TO 27th MARCH 1886.			TOTAL RECEIPTS FROM 1st APRIL 1886 TO 26th MARCH 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
160	22,731	212	249	38,970	157	249	23,19,035	183	249	25,63,802*	202	2,44,707	.....

\* Audited up to week ending 5th February 1887.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

Approximate earnings for week ending 26th March 1887	...	...	...	Rs. A. P.
Corresponding week last year	...	...	...	7,574 0 0
Decrease	...	...	...	8,767 0 0
Receipts from 1st January to 26th March 1887	...	...	...	1,193 0 0
From 1st January to 27th March 1885	...	...	...	73,459 0 0
Decrease	...	...	...	88,343 0 0
Miles open, week ending 26th March 1887	...	...	...	14,884 0 0
Corresponding week last year	...	...	...	Miles.
Increase	...	...	...	51
Receipts per mile open, week ending 26th March 1887	...	...	...	50 <sup>3</sup> / <sub>4</sub>
Corresponding week last year	...	...	...	4
Decrease	...	...	...	Rs. A. P.
	...	...	...	148 8 2
	...	...	...	172 11 6
	...	...	...	24 3 4

CHIEF OFFICE, DARJEELING, the 2nd April 1887.

W. STEVENSON, Secretary, D.-H. Ry.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 20, 1887.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

### CONTENTS.

	Page.		Page
DONATIONS made by Srimati Bishewshary Devi Chowdhurani, Zemindar of Gauripore, in Mymensingh	709	RESULTS of the Meteorological Observations taken at the Alipore Observatory from 16th to 16th April 1887	727
Rainfall, Weather, and State and Prospects of the Crops	710	Results of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 16th to 16th April 1887	728
Prices-current (retail) of Food-grains, Firewood and Salt in the districts of Bengal during the fortnight ending the 15th April 1887	712	Statement showing the results of the Registration of Births and Deaths in the principal Municipalities in Bengal during the week ending 2nd April 1887	729
Statement showing the Quantities of the Principal Staples of traffic imported and exported into Calcutta from the Interior during the month of November 1886	718	Areas leased for Irrigation up to end of February 1887	732
Meteorological Report of the Province of Bengal for the week ending Friday, the 15th April 1887	720	Circular and Eastern Canals for the week ending 9th and 16th April 1887	733
Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 15th of April 1887	722	Eastern Bengal State Railway	734
		Weekly Return of Traffic Receipts on Indian Railways	736

### DONATIONS MADE BY SRIMATI BISHEWSHARY DEVI CHOWDHURANI, ZEMINDAR OF GAURIPORE IN MYMENSINGH.

GENERAL DEPARTMENT—EDUCATION.

*Calcutta, 19th the April 1887.*

#### RESOLUTION.

READ—

An endorsement from the Director of Public Instruction, No. 2515, dated 7th April 1887, forwarding a copy of a letter from the Inspector of Schools, Eastern Circle, on the subject of the two donations made by Srimati Bishewshary Devi Chowdhurani, zemindar of Gauripore in Mymensingh.

In Government Resolution, dated 15th February 1887, acknowledgment was made of the liberal donation of Rs. 1,000 made by Srimati Bishewshary Devi Chowdhurani, zemindar of Gauripore in Mymensingh, in support of the Eden Female School at Dacca. This lady has now made two additional donations—one of Rs. 800 for erecting a corrugated iron roofed house for the grant-in-aid Middle English School at Iswarganj, and another of Rs. 500 in aid of the building fund of the Jamalpore Donogh High School. The Lieutenant-Governor tenders his thanks to Srimati Bishewshary Devi Chowdhurani for her liberality.

ORDER.—Ordered that a copy of this Resolution be published in the *Calcutta Gazette*, and that a copy of it be forwarded to the Director of Public Instruction for information and communication to the donor.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

*Secretary to the Govt. of Bengal.*



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 16th April 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.		
BENGAL.					
Western Districts.					
BURDWAN DIV.	1 Burdwan, April 16, '87	1.04	Weather—moist and unseasonably cool. Prospects good. Rice still cheap. Public health fair. A local outbreak of cattle-pox in one thana of Culna sub-division.		
	Culna	0.08			
	Cutwa	0.10			
	Raniganj	1.80			
	2 Bankura, " 16 "	1.56			
	3 Beerbhoom, " 16 "	0.64			
	Rampore Haut	2.69			
	4 Midnapore, " 16 "	1.00			
	5 Hooghly, " 16 "	1.75			
	Serampur	0.66			
PRESIDENCY DIV.	Jehanabad	1.66	Weather—damp and cool. Paddy outturn excellent. Fresh ploughings begun in places.		
	Howrah, " 18 "	0.23			
	Ooloberia	0.22			
	6 24-Perghr., April 19 '87	0.50		Weather—very hot and close. No crops on the ground except sugarcane, which promises well. Ploughing continues. A few cases of cholera reported; public health otherwise good.	
	7 Nuddea, " 16 "	0.34			
	Meherpore	1.50			
	Chuadanga	0.33			
	Ranaghat	0.91			
	8 Khoolia, " 16 "	0.33			Days hot, with some wind. Boro rice harvest has begun. Ploughing going on well. Public health fair. Cholera in some places.
	9 Jessore, " 16 "	0.32			
Magurah	0.99				
10 Moorshedabad, " 16 "	0.76				
Lalbagh	0.25				
Kandi	0.82				
Jungipur	0.6				
RAJSHAHY DIV.	11 Dinapore, April 16, '87	0.29	Weather—cloudy at times. Slight rain fell on two days. A slight shock of earthquake on 14th. Land is being prepared for <i>bhadoi</i> . Sowing of jute has begun. Rice 22 to 28 seera per rupee.		
	12 Rajshahye, " 16 "	0.41			
	Nowgong	0.5			
	13 Rungpore, " 16 "	0.16			
	Gaibanda	1.25			
	14 Bogra, " 16 "	Nil		Weather—seasonable. Rain good for early sowings. A few sporadic cases of cholera and small-pox reported.	
	15 Pabna, " 16 "	0.23			
	Serajung	0.34			
	16 Darjeeling, " 16 "	3.17			
	17 Julpigoree, " 16 "	0.48			
Eastern Districts.					
DACCA DIVISION.	18 Dacca, April 16, '87	Nil	Weather—hot and fine. Harvesting of boro paddy has begun. Aman paddy is being sown in low lands. Cases of cholera reported from parts of the district.		
	Munshigunge	0.7			
	19 Farreedpore, " 16 "	Nil			
	Goalundo	1.47			
	20 Backergunge, " 15 "	0.34			
	21 Mymensingh, " 15 "	0.47		Weather—very hot. Sowing of paddy in progress. Cholera reported from parts.	
	22 Chittagong, April 19, '87	Drizzling rain on 16th			
	23 Noakholly	0.24			
	Fenny	0.07			
	24 Tipperah	0.20			
Chandpur	0.30				
25 Chittagong Hill Tracts, " 12 "	Nil	Days hot, nights comparatively cold. Winter crops promise well. Rain wanted. General health not good, cholera prevailing in most of the stations.			
Hill Tipperah, " 13 "	Nil				
Weather—hot. Lands are being prepared for <i>aus</i> . Prices steady. Cholera still reported, but public health good.					
Weather—seasonable. Sowing of <i>aus</i> progressing. Rubbee crops are being gathered; outturn fair. A few cases of cholera reported.					
Weather—seasonable. About seven annas of boro paddy have been reaped. Aus is being sown. Prospects favourable. Sporadic cholera still reported. Small-pox abating.					
Weather—foggy in the morning, excessively hot at noon. Joom-cutting finished; burning commenced. Tobacco, chilly and other crops doing well. Public health generally good.					
Weather—hot. Sugarcane is being transplanted. Prospects of boro paddy and chillies fair. Joom-cultivation going on. Public health good.					

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.</b>			
<b>PATNA DIV.</b>			
26	Patna, April 16, '87	Nil	Weather—growing sultry. Harvesting of <i>rubbee</i> completed; crops are in the threshing-floor; a fair outturn expected. Opium weighment has commenced. Public health generally good.
27	Gya, " 16 "	0.30	Weather—seasonable. Threshing of <i>rubbee</i> going on. Sugarcane thriving well. Fever, small-pox and cholera reported.
28	Shahabad, " 16 "	Nil	Weather—hot. Sugarcane, the only crop on the ground, doing well. Public health fair. Prices stationary.
29	Bhabhua, " 16 "	0.65	East wind prevailing. <i>Rubbee</i> harvest nearly over. Late rain did considerable injury to mango crop. It has, however, benefited rice and <i>moong</i> sowings.
	Durbhanga, " 16 "	0.46	Price of common rice averages 22 seers per rupee. Cholera reported at head-quarters and in Madhubani sub-division.
	Tajpur, " 16 "	0.20	Weather—unsettled, with thunder-storms. <i>Rubbee</i> being threshed. <i>Moong</i> , <i>cheena</i> and early rice promising. Public health fair.
	Madhubani, " 16 "	0.55	
30	Mozufferpore, " 16 "	0.42	
	Hajipur, " 16 "	0.80	
	Sitamarhi, " 16 "	0.80	
31	Saran, " 16 "	0.43	Weather—close and hot. Indigo sowings nearly finished, but a good deal of this crop has died out. Prospects of other crops continue favourable. Public health good.
	Sewan, " 16 "	0.15	
	Gopalgunge, " 16 "	0.47	
32	Chumpanan, " 16 "	0.60	Weather—seasonable. <i>Rubbee</i> crops are being gathered. Weighment of opium has commenced. Indigo plants coming on. Prices stationary. Public health fair. Cholera has made its appearance among opium <i>dsamis</i> .
<b>BHAGLPORE DIV.</b>			
33	Monghyr, April 16, "	1.26	Weather—cloudy and cool with east wind in beginning of week; since then clear and hot. Harvesting of <i>rubbee</i> crops nearly completed. Public health generally good. Prices stationary.
	Jamui, " 16 "	0.54	
34	Bhagalpore, " 16 "	0.35	Weather—getting warmer, but very little west wind. <i>Rubbee</i> harvest nearly complete. Rice sowings progressing in low lands. Sugarcane doing well. Mango not promising. Cholera continues in north.
35	Purneah, " 16 "	1.40	Weather—cool for the time of year; east wind prevailing. All crops doing well. Cereal harvest in progress. <i>Bhadai</i> sowings have commenced.
	Arrareah, " 16 "	0.28	
36	Maldah, " 16 "	1.31	Weather—hot at noon; evenings and mornings generally cool and pleasant. Harvesting of <i>rubbee</i> almost completed. Abundant shower on night of 14th has done immense good to <i>boro</i> paddy. Prices stationary. Cholera reported from town and interior; public health otherwise good.
	Chanchal, " 16 "	0.11	
	Shibgunge, " 16 "	1.69	
	Gazole, " 16 "	0.42	
37	Sonthal Perghe, " 16 "	0.02	Weather—sultry with southerly winds and occasional evening storms. Rain helps sugarcane and ploughing, but is unhealthy. Fever prevalent.
	Godda, " 16 "	2.78	
	Pakour, " 16 "	1.04	
	Rajmahal, " 16 "	0.69	
	Jamtara, " 16 "	0.15	
	Deoghur, " 16 "	0.41	
<b>ORISSA.</b>			
<b>ORISSA DIV.</b>			
38	Cuttack, April 15, '87	0.04	Weather—hot; occasionally cloudy. <i>Dalua</i> rice is being reaped. Ploughing in progress. Common rice 18 seers per rupee in town and 22 to 25 seers in interior. Public health generally good.
39	Pooree, " 14 "	Nil	Weather—seasonable. Land is being ploughed for next <i>sarad</i> crop. <i>Dalua</i> crop is being harvested. Common rice 25 seers 15 chittacks per rupee in Sudder sub-division and 25 seers 5 chittacks in Khoorda sub-division. A few sporadic cases of cholera reported from mofussil.
	Khoorda, " 14 "	0.17	
40	Balasore, " 15 "	0.15	Weather—seasonable. Ploughing going on in places. Prospects of crops fair. Public health good, notwithstanding a few sporadic cases of cholera and small-pox.
<b>CHOTA NAGPORE.</b>			
<b>South-West Frontier Agency.</b>			
41	Hazaribagh, April 15, '87	Nil	Weather—seasonable. <i>Rubbee</i> all harvested; outturn generally good. Mango has failed. <i>Mahua</i> has yielded fairly well. Public health good.
42	Lohardugga, " 16 "	0.01	Weather—cloudy and warm. Rain expected. <i>Rubbee</i> gathered; outturn good. Prices steady. Cholera and cattle-pox reported from Palamow.
	Palamow, " 16 "	0.10	
43	Singbhoom, " 15 "	0.17	Weather—cloudy, but hot. Sugarcane is being planted. <i>Boro</i> paddy ripening. Prospects of mango crop indifferent. Public health good.
44	Manbhoom, " 16 "	0.87	Weather—getting hot, but partially cooled by the hailstorm of 14th. Sugarcane is being planted. <i>Mahua</i> dropping. Cotton pods bursting. Cattle-disease and sporadic cases of cholera in Manbazar thana; measles in Bagmundi and other places; otherwise public health good.
	Govindpur, " 16 "	0.91	

Published for general information.

CALCUTTA, REVENUE DEPT.;  
The 19th April 1887.P. NOLAN,  
Secy. to the Govt. of Bengal.

**PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the**

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUM (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																			
Western Districts.																			
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
1	Burdwan ...	14 7	14 8	17 0	33 15	...	30 0	19 8	19 8	16 0	24 12	26 4	21 0	...	...	...	...	...	...
2	Bankura ...	15 8	16 8	19 0	20 0	22 0	24 0	19 8	20 0	19 8	24 9	24 4	22 8	...	...	...	...	...	...
3	Beerbhoom ...	20 4	22 8	18 0	...	...	...	20 0	20 0	16 0	24 0	24 0	19 8	...	...	...	...	...	...
4	Midnapore ...	17 8	16 0	18 0	...	...	...	20 0	19 0	16 0	26 0	26 0	22 0	...	...	...	...	...	...
5	Hooghly ...	14 0	14 0	16 0	...	...	...	10 0	10 0	10 0	18 0	18 0	15 0	...	...	...	...	...	...
	Howrah ...	12 0	12 0	14 8	...	...	...	13 0	13 8	8 4	20 0	20 0	15 0	...	...	...	...	...	...
Central Districts.																			
		S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
	Calcutta ...	15 0	14 12	16 8	21 0	22 0	21 6	9 5	9 4	7 12	19 6	19 4	15 10	21 0	21 8	19 0	...	...	...
6	24-Pergunnahs ...	13 5	13 5	13 4	22 8	21 4	17 8	8 0	8 0	8 0	18 12	18 4	13 5	...	...	...	...	...	...
7	Nuddea ...	16 0	15 0	17 4	32 0	32 0	22 15	16 0	16 0	14 8	19 0	19 0	16 0	...	...	...	...	...	...
8	Khoolna ...	...	...	...	...	...	...	18 0	18 0	16 0	22 0	21 0	18 0	...	...	...	...	...	...
9	Jessore ...	16 0	13 4	13 4	...	...	...	16 0	16 0	13 4	24 0	22 0	17 0	...	...	...	...	...	...
10	Moorshedabad ...	15 0	15 0	20 0	...	...	...	16 0	16 0	14 0	23 0	23 0	17 8	...	...	...	...	...	...
11	Dinapore ...	16 0	12 8	16 0	22 0	22 0	17 0	21 0	21 0	18 0	26 0	27 8	20 0	...	...	...	...	...	...
12	Rajshahye ...	17 4	16 8	18 0	40 0	45 0	32 0	18 6	18 6	16 0	22 8	22 14	19 8	...	...	...	...	...	...
13	Rungpore ...	...	12 8	17 0	...	...	...	22 8	22 8	17 0	24 10	24 10	18 0	...	...	...	...	...	...
14	Bogra ...	16 8	17 4	19 8	...	...	...	12 0	15 12	15 0	24 0	24 0	24 0	...	...	...	...	...	...
15	Pubna ...	21 0	21 0	22 8	...	...	...	8 0	8 0	8 4	21 0	21 9	18 0	...	...	...	...	...	...
16	Darjeeling ...	10 0	8 0	15 0	12 0	10 0	12 0	5 0	5 0	5 0	13 0	14 0	14 0	...	...	...	...	...	...
17	Julpigoree ...	10 0	10 0	13 0	20 0	20 0	...	13 0	14 0	14 0	25 0	25 0	25 0	...	...	...	...	...	...
Eastern Districts.																			
18	Dacca ...	14 0	12 8	16 0	26 0	26 0	26 0	17 0	16 0	13 0	19 0	18 0	15 0	...	...	...	...	...	...
19	Furzedpore ...	...	16 0	16 0	32 0	25 0	20 0	18 8	16 0	16 0	22 0	22 0	19 0	...	...	...	...	...	...
20	Backergunge ...	...	...	...	...	...	...	17 0	17 0	13 0	19 0	19 0	16 0	...	...	...	...	...	...
21	Mymensingh ...	11 8	13 0	13 0	...	...	...	12 0	12 0	13 0	16 0	16 0	20 0	...	...	...	...	...	...

In the prices-current statement for the fortnight ending 28th February 1887, published at pages 414-417 of the Supplement to the Calcutta Gazette of the 9th March, against Howrah, in sub-column "Present return" of column 5, "Rice, common," for 16 seers 8 chittacks read 20 seers.

A In sub-divisions retail prices of salt per rupee were:—Culna 12 seers, Cutwa 13 seers, and Raneegunge 12 seers 1 chittack.

B In Bishenpore sub-division retail price of salt 12 seers per rupee.

B1 In Rampore H&A sub-division retail price of salt 13 seers per rupee.

C In Tumlook sub-division retail price of salt 11 seers per rupee.

D In sub-divisions retail prices of salt per rupee were:—Serampore 13 seers and Jehanabad 13½ seers.

D1 In sub-divisions retail prices of salt per rupee were:—Baraset and Bussizhat 12 seers, Diamond Harbour (Magrahat) 11½ seers, Barrackpore 12½ seers and Dum-Dum 11 seers.

E In sub-divisions retail prices of salt per rupee were:—Koochta and Meherpore 12 seers, Chooadanga 13 seers, and Ranaghat 10½ seers.



## Districts of Bengal during the Fortnight ending the 15th April 1887.

															WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.
INDIAN-CORN OR MAIZE (Zea Mays.)			ARHAR OR THUR. CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.				
...	...	...	18 4	17 12	21 0	120 0	120 0	120 0	A 13 4	13 5 1/2	13 8	2 15 0	2 15 3	2 15 0	Burdwan.			
40 0	40 0	30 0	22 8	22 0	22 0	290 0	280 0	380 0	B 12 8	12 8	12 8	3 3 0	3 3 0	3 2 0	Bankoora.			
...	...	...	16 0	16 8	22 8	160 0	160 0	...	B1 12 4	12 12	12 0	3 1 0	3 0 0	3 2 6	Beerbhoom.			
...	...	...	16 0	18 0	14 0	155 0	155 0	155 0	C 13 0	12 12	12 8	3 1 0	3 1 0	3 0 3	Midnapore.			
...	...	...	13 0	14 0	15 0	120 0	120 0	120 0	D 13 0	13 0	13 9	3 0 0	3 0 0	2 14 0	Hooghly.			
...	...	...	13 4	13 4	15 4	90 0	90 0	80 0	12 0	12 0	13 0	3 0 0	3 0 0	3 0 0	Howrah.			
Central Districts.																		
25 0	24 9	19 15	16 12	17 0	16 4	80 0	80 0	90 0	D1 13 4	13 0	13 4	3 0 0	3 0 0	2 12 0	Calcutta.			
26 8	23 0	18 12	17 8	16 0	17 8	100 0	100 0	90 0	13 0	13 0	12 13	2 15 0	2 15 0	3 0 0	24-Pergunnabs.			
...	...	...	20 0	19 0	20 0	...	...	...	E 11 10 1/2	11 10 1/2	11 10 1/2	3 0 0	3 0 0	3 0 0	Nudda.			
...	...	...	...	...	...	160 0	160 0	200 0	F 10 8	10 8	12 0	3 12 0	3 12 0	3 4 0	Khoolna.			
...	...	...	22 0	24 0	26 8	110 0	110 0	120 0	G 10 12	11 0	12 0	3 3 0	3 4 0	3 2 0	Jessore.			
32 0	40 0	...	18 0	21 0	21 0	160 0	160 0	120 0	H 12 0	12 0	11 4	3 5 0	3 5 0	.....	Moorshedabad.			
...	...	...	...	...	...	160 0	160 0	160 0	I 12 4	11 8	12 4	3 4 0	3 5 0	3 3 0	Dinapore.			
...	...	...	17 0	16 4	22 0	240 0	240 0	240 0	J 12 0	12 0	12 12	3 4 0	3 4 0	3 0 0	Rajshahye.			
...	...	...	8 10	8 10	14 0	120 0	120 0	110 0	K 10 5	10 5	12 12	3 8 0	3 8 0	2 12 0	Bargpore.			
...	...	...	...	...	...	90 0	90 0	90 0	L 11 4	11 4	10 6	3 6 0	3 6 0	3 5 4	Bogra.			
...	...	...	24 0	24 0	21 0	200 0	200 0	200 0	M 11 10	12 0	12 6	3 6 0	3 5 0	3 2 0	Pubna.			
35 0	20 0	...	8 0	8 0	8 0	120 0	120 0	120 0	N 9 0	9 0	8 0	4 4 0	4 6 0	4 4 0	Darjeeling.			
36 0	...	...	10 0	12 0	...	128 0	128 0	120 0	O 11 0	11 0	12 0	3 6 0	3 6 0	3 4 0	Julpigoree.			
Eastern Districts.																		
...	...	...	...	...	...	120 0	120 0	120 0	P 12 0	12 0	12 0	3 3 0	3 4 0	3 2 0	Dacca.			
...	...	...	20 0	16 0	16 0	120 0	120 0	140 0	13 0	11 0	12 0	2 15 0	3 5 0	3 5 0	Furzedpore.			
...	...	...	14 0	14 0	13 0	120 0	120 0	120 0	12 0	12 0	12 8	3 4 0	3 4 0	3 2 0	Backergunge.			
...	...	...	16 0	20 0	20 0	...	...	...	12 0	12 0	12 4	3 5 0	3 5 0	3 3 0	Mymensingh.			

F In Satkhira sub-division retail price of salt 11 seers per rupee.

G In sub-divisions retail prices of salt per rupee were:—Jhenida and Narail 12 seers, Magoora 10½ seers, and Bongong 13 seers.

H In sub-divisions retail prices of salt per rupee were:—Lalbagh 13 seers and Jungipore and Kandi 12½ seers.

I In Nattore and Nowgong sub-divisions retail price of salt 12 seers per rupee.

J In sub-divisions retail prices of salt per rupee were:—Gaibanda 9½ seers, Nilphamari 13 seers and Kurigram 11 seers.

K At Silliguri retail price of salt 10 seers per rupee.

L In Alipore sub-division (at Fallacotta) retail price of salt 8 seers per rupee.

M In sub-divisions retail prices of salt per rupee were:—Manickgunge 11 seers, Moonsheegunge 10½ seers and Naraingunge 12½ seers.

N In sub-divisions retail prices of salt per rupee were:—Goalundo 12 seers and Madaripore 12½ seers.

O In sub-divisions retail prices of salt per rupee were:—Patuakhali 9 seers, Perozopore 11 seers, and Bhola 10½ seers.

P In sub-divisions retail prices of salt per rupee were:—Kishoregunge 9½ seers, Attea 12 seers, Jamalpore 10 seers 10 chittacks Burpore 10 seers and Netrokona 9 seers.

## PRICES-CURRENT (retail) of Food-grains, Firewood and Salt in the

Number.	DISTRICTS.	QUANTITIES PER RUPEE IN																	
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			JOWAR OR CHOLUK. (Sorghum Vulgare.)					
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts.—Concluded.																			
22	Chittagong ...	16 0	16 0	16 0	...	...	...	13 0	13 0	13 0	17 0	17 0	16 0	...	...	...			
23	Noakholly* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
24	Tipperah ...	12 4	13 5	13 5	...	...	...	14 1	17 13	16 0	18 6	20 13	17 0	...	...	...			
25	Chittagong Hill Tracts.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
	Hill Tipperah	12 0	12 0	12 0	...	...	...	14 0	12 0	12 0	18 0	17 0	16 0	...	...	...			
BEHAR.																			
26	Patna ...	18 8	16 0	20 0	32 0	32 0	28 0	11 8	11 8	11 8	25 0	24 0	17 0	26 0	26 0	26 0			
27	Gya ...	17 0	17 0	18 8	32 0	26 0	27 0	9 4	11 0	9 0	19 8	19 8	16 8	...	...	...			
28	Shahabad ...	17 0	16 0	19 0	28 0	36 0	28 0	8 0	9 0	8 0	17 0	17 0	16 0	...	...	...			
29	Durbhanga ...	19 4	18 0	16 0	33 0	30 0	28 0	13 3	14 0	10 8	23 0	23 0	17 0	33 0	26 0	...			
30	Muzaffarpore* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
31	Saran ...	15 0	15 0	18 8	20 0	20 0	28 0	8 0	9 0	8 8	22 0	22 0	19 0	...	...	...			
32	Chumpan ...	17 8	15 0	18 0	35 0	40 0	25 0	7 8	7 8	10 0	17 8	18 8	14 0	...	...	...			
33	Monghyr ...	18 8	18 6	23 1	31 8	33 9	33 8	13 2	14 12	13 10	17 13	18 8	16 4	21 0	27 8	24 2			
34	Bhagulpore ...	17 10	16 6	20 3	37 14	40 6	30 5	18 15	18 4	15 2	21 7	21 7	17 10	...	...	...			
35	Puracab ...	16 0	15 0	20 0	...	...	...	21 0	20 0	19 0	24 0	22 0	21 0	...	...	...			
36	Maldah ...	19 0	18 0	23 0	...	...	...	18 0	18 0	10 0	26 0	26 0	22 0	...	...	...			
37	Southal Pergas.	16 0	12 0	17 0	...	...	...	18 0	18 0	16 0	27 8	27 8	23 0	...	...	...			
ORISSA.																			
38	Cuttack ...	14 7	14 7	17 1	...	...	...	13 2	13 2	10 8	18 6	18 6	17 0	...	...	...			
39	Poore* ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
40	Balasore ...	18 0	18 0	20 0	13 0	13 0	11 0	14 0	14 0	15 0	25 0	25 0	25 0	...	...	...			
CHOTA NAGPORE.																			
South-Western Frontier Agency.																			
41	Hazareebagh ...	20 0	19 0	17 0	25 0	25 0	20 0	10 0	11 0	10 0	19 0	20 0	19 0	...	...	...			
42	Lohardugga ...	26 0	24 0	20 0	36 0	22 0	24 0	19 0	19 0	18 0	23 0	24 0	20 0	...	...	...			
43	Singbhoom ...	24 0	24 0	24 0	32 0	24 0	32 0	28 0	28 0	24 0	32 0	32 0	28 0	...	...	...			
44	Manthoom ...	17 0	17 0	18 0	44 0	40 0	32 0	18 8	18 0	16 0	29 0	32 0	27 0	...	...	...			

\* Returns not received.

- P1 In Cox's Bazar sub-division retail price of salt 12 seers per rupee.  
 Q In Brahmunseries and Chanapora sub-divisions retail price of salt 11½ seers per rupee.  
 R In sub-divisions retail prices of salt per rupee were:—Buxar 12½ seers, Sasseram 12 seers, and Bhadoosh 11½ seers.  
 S In Madhubani and Tajpore sub-divisions retail price of salt 12 seers per rupee.  
 T In Sewan sub-division retail price of salt 11½ seers per rupee.  
 U In Bettiah sub-division retail price of salt 11½ seers per rupee.  
 V In Begusera and Jumni sub-divisions retail price of salt 11 seers per rupee.

KANGNI OR KAKUN, ITALIAN MILLBT. ( <i>Setaria italica</i> )			GRAM, CHANA, CHHOLA, KADALAY, OR SUNAGA. ( <i>Cicer arietinum</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

Ch.	S.	Ch.	S.	Ch.	S.	Ch.	S.	Ch.
...	...	...	12	0	12	0	13	0
...	...	...	...	...	...	...	...	...
...	...	...	14	8	14	12	16	0
...	...	...	...	...	...	...	...	...
...	...	...	12	0	12	0	12	0

0	20	0	...	30	0	28	0	27	0	
0	17	0	16	0	25	8	24	0	22	8
...	...	...	...	29	0	26	0	25	0	
...	26	0	18	0	27	8	23	0	20	0
...	...	...	...	...	...	...	...	...	...	
0	14	0	15	0	27	0	20	0	24	0
...	...	...	...	28	0	26	0	18	0	
0	13	8	21	0	27	12	27	8	26	4
...	...	...	...	25	4	25	4	25	4	
...	...	...	...	20	0	24	0	20	0	
...	...	...	...	27	0	27	0	30	0	
...	...	...	...	21	0	20	0	21	0	

(Kulai)

...	...	17	1	17	1	19	11
...	...	...	...	...	...	...	...
...	...	15	0	15	0	15	0
...	...	22	0	20	0	17	0
...	...	24	0	24	0	18	0
...	...	16	0	16	0	16	0
...	...	17	0	18	0	18	0



SEERS OF 80 TOLAHS.

BAJRA OR CUMBU. ( <i>Pennisetum typho-</i> <i>ideum.</i> )			MARUA OR RAGI. ( <i>Eleusine Corocana.</i> )		
Present return.	Next preceding return	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.

S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

26 0	26 0	26 0	26 0	26 0	26 0
...	...	...	...	...	...
...	...	...	...	...	...
...	23 0	...	33 0	33 0	28 0
...	...	...	...	...	...
...	...	...	26 0	27 0	23 0
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

...	...	...	33 0	28 0	30
...	...	...	40 0	40 0	32
...	...	...	...	...	...
...	...	...	...	...	...

## Districts of Bengal during the Fortnight ending 15th April 1887—(Concluded).

												WHOLESALE PRICES PER MAUND OF 40 SEERS.			DISTRICTS.		
INDIAN-CORN OR MAIZE. (Zea Mays.)			ARHAR OR THUR. CADJAN PEA. (Cajanus indicus.)			FIREWOOD.			SALT.			SALT.					
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
Eastern Districts.—Concluded.																	
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
...	...	...	10 0	10 0	9 0	75 0	75 0	100 0	P1 12 0	12 0	11 0	3 0 0	3 0 0	3 8 0	Chittagong.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Noakhelly.		
...	...	...	10 2	11 1	10 0	...	...	...	Q 11 8	11 8	12 0	3 5 0	3 5 0	3 3 0	Tipperah.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Chittagong Hill Tracts.		
...	...	...	16 0	16 0	16 0	...	...	...	11 0	11 0	11 0	3 4 0	3 4 0	3 4 0	Hill Tipperah.		
BEHAR.																	
30 0	30 0	22 0	28 0	27 0	27 0	120 0	120 0	120 0	11 8	11 8	11 8	3 1 6	3 1 6	3 1 6	Patna.		
...	...	...	23 0	26 0	23 0	140 0	140 0	200 0	11 0	11 0	11 0	3 5 0	3 5 0	3 5 0	Gya.		
...	...	...	16 0	13 0	19 0	160 0	160 0	120 0	R 12 0	12 0	12 8	3 5 0	3 5 0	3 2 0	Shahabad.		
33 0	33 0	20 0	16 8	19 8	20 0	176 0	176 0	160 0	S 13 0	13 0	11 8	3 0 0	3 0 0	3 4 0	Durbhunga.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Mozufferpore.		
28 0	29 0	26 0	24 0	21 0	23 0	160 0	160 0	160 0	T 12 0	11 0	12 0	3 4 6	3 5 0	3 1 6	Saran.		
30 0	30 0	28 0	22 0	21 0	...	...	...	...	U 11 8	11 0	12 4	3 7 0	3 7 0	...	Chumpanau.		
37 12	29 6	26 4	18 14	21 0	23 1	126 0	126 0	126 0	V 12 9	12 9	13 2	3 0 0	3 0 0	2 14 6	Monghyr.		
37 6	35 5	25 4	20 3	21 7	20 3	177 4	171 0	164 0	W 12 10	12 10	12 10	3 3 0	3 3 0	3 3 2	Bhagulpore.		
...	...	...	16 0	16 0	20 0	128 0	128 0	128 0	X 10 8	10 8	11 0	3 10 0	3 10 0	3 10 0	Purneah.		
...	...	...	...	...	...	160 0	160 0	160 0	...	12 0	11 8	3 4 0	3 4 0	3 5 0	Maldah.		
37 8	37 8	28 0	26 0	26 0	24 0	200 0	200 0	200 0	Y 11 8	11 8	12 8	3 4 0	3 4 0	3 2 0	Sonthal Pergna.		
ORISSA.																	
...	...	...	...	...	...	80 0	80 0	80 0	14 0	14 0	14 0	2 12 0	2 12 0	2 12 0	Cuttack.		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Poores.		
...	...	...	12 0	12 0	14 0	160 0	160 0	160 0	Z 10 8	10 8	10 8	3 6 0	3 6 0	3 8 0	Balasore.		
CHOTA NAGPORE.																	
South-Western Frontier Agency.																	
27 0	24 0	24 0	20 0	20 0	19 0	320 0	320 0	240 0	Z1 10 0	10 0	10 0	3 11 0	3 10 0	3 8 0	Hazareebagh.		
24 0	24 0	20 0	32 0	24 0	20 0	120 0	120 0	120 0	10 0	10 0	10 8	3 12 0	3 12 0	3 8 0	Lohardugga.		
...	...	...	24 0	24 0	21 0	320 0	320 0	360 0	9 0	9 0	9 0	4 0 0	4 0 0	4 0 0	Singbhoom.		
40 0	40 0	...	23 0	22 0	20 0	240 0	240 0	240 0	Z2 10 10	10 10	11 10	3 8 0	3 6 0	3 4 0	Manbhoom.		

W In Banks, Mudehpura and Soopool sub-divisions retail price of salt 11 seers per rupee.

X In sub-divisions retail prices of salt per rupee were:—Kissengunge 10 seers and Arrareah (at Raneeunge) 11 seers.

Y In sub-divisions retail prices of salt per rupee were:—Deoghur and Jantara 13 seers and Pakour 12 seers.

Z In Bhudreck sub-division retail price of salt 9½ seers per rupee.

Z1 In Giridi sub-division (at Kharagdiha) retail price of salt 12 seers per rupee.

Z2 In Govindpore sub-division retail price of salt 12 seers per rupee.

Published for general information.

P. NOLAN,  
Secy. to the Govt. of Bengal.

*PRICES-CURRENT (wholesale) of Food-grains, Firewood, and Salt in the*

Number.	MARTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.		
		Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
		R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
1	Calcutta ...	2 9 3	2 12 6	2 7 0	1 4 0	1 6 0	1 10 0	3 6 0	3 7 0	5 4 0	1 13 6	1 14 0	2 4 0
2	Serajgunge ...	...	...	...	...	...	...	...	...	...	...	...	...
3	Dacca ...	2 12 0	3 0 0	2 4 0	1 8 0	1 8 0	1 8 0	2 6 0	2 6 0	2 12 0	2 1 0	2 1 0	2 8 0
4	Naraingunge ...	...	...	...	...	...	...	2 4 0	2 6 0	...	2 0 0	1 13 0	...
5	Chittagong ...	2 6 0	2 6 0	2 6 0	...	...	...	3 0 0	2 14 0	2 14 0	2 3 0	2 4 0	2 6 0
6	Patna ...	2 2 0	2 7 0	1 14 6	1 3 6	1 3 6	1 5 3	3 0 0	3 0 0	3 0 0	1 9 0	1 10 9	2 2 0
7	Balasore ...	2 4 0	2 4 0	1 15 0	3 0 0	3 0 0	3 2 0	2 12 0	2 12 0	2 8 0	1 7 0	1 7 0	1 8 0
8	Pooree ...	...	...	...	...	...	...	...	...	...	...	...	...
9	Cuttack ...	2 10 0	2 10 0	2 2 0	...	...	...	3 0 0	3 0 0	3 10 0	2 2 0	2 2 0	2 2 0

Calcutta,  
The 15th April 1887.



PRICES PER MAUND

KARAI OR CHOLUM. ( <i>Pennisetum Vulgare.</i> )			BAJRA OR CUMBU ( <i>Pennisetum typhoidum.</i> )		
Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
01 802	002	02 402	02 403	000	
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
01 601	601	601	601	601	60
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

OF 40 SEERS.

MARUA OR RAGI. ( <i>Eleusine Corocana</i> .)			KANGNI OR KAKU ITALIAN MILLET. ( <i>Setaria italica</i> .)		
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.
...	...	...	2 4 0	2 4 0	2 4
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
1 6 0	1 6 0	1 6 0	1 14 0	1 14 0	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

undermentioned *Marts* of Bengal during the Fortnight ending 15th April 1887.

GRAM, CHANA, CHHOLA, KADALAY OR SURAGA. ( <i>Cicer Aristinum</i> .)			INDIAN-CORN OR MAIZE. ( <i>Zea Mays</i> .)			ARHAR OR THUR ( <i>ADJAN PRA</i> .) ( <i>Cajanus indicus</i> .)			FIREWOOD.			SALT.			MARTS.
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	
R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	R. A. P.	
1 10 0	1 11 3	1 15 0	1 6 0	1 4 0	2 0 0	2 3 0	2 2 6	2 5 0	0 6 9	0 6 9	0 6 3	3 0 0	3 0 0	2 12 0	Calcutta.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Seraingunge.
2 10 0	2 8 0	1 14 0	...	...	...	...	...	...	0 5 0	0 5 0	0 5 0	3 3 0	3 4 0	3 2 0	Dacca.
2 8 0	1 14 0	...	...	...	...	...	...	...	0 8 0	0 6 0	...	3 2 0	2 15 0	...	Naraingunge.
3 2 0	3 2 0	2 14 0	...	...	...	3 12 0	3 12 0	4 0 0	0 8 0	0 8 0	0 6 0	3 0 0	3 0 0	3 8 0	Chittagong.
1 4 9	1 5 6	1 6 9	...	1 4 9	1 11 6	1 5 6	1 6 6	1 6 0	0 5 0	0 5 0	0 4 6	3 1 6	3 1 6	3 1 6	Patna.
2 8 0	2 8 0	2 9 0	1 4 9	...	...	3 2 0	3 2 0	2 12 0	0 5 0	0 5 0	0 3 6	3 6 0	3 6 0	3 8 0	Balasore.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Poores.
2 0 0	(Kala) 2 0 0	2 0 0	...	...	...	...	...	...	0 8 0	0 8 0	0 8 0	2 12 0	2 12 0	2 12 0	Cuttack.

Published for general information.

P. NOLAN,  
Secy. to the Govt. of Bengal.



The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the Interior during the month of November 1886.

## IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard-seed.				Drained.	Un-drained.	Bis-path.	On kin.
	Rice.	Paddy.	Total (in rice).															
<b>BENGAL.</b>																		
Bardwan	1,71,804	8,804	1,77,806	1,082	3,426	.....	1,82,414	.....	18,535	1,140	.....	1,174	.....	171	25	.....	.....	.....
Beerbhoom	1,46,343	.....	1,46,343	.....	.....	.....	1,46,343	.....	8,610	.....	.....	.....	.....	76	228	.....	.....	.....
Midnapore	83,318	18,692	1,00,001	281	119	.....	1,00,401	.....	224	1,244	.....	.....	.....	62	304	.....	10	.....
Hooghly	42,045	4,955	45,142	4,085	8,857	1,219	64,317	60,867	304,444	10,373	12,352	.....	1,248	13	586	2,731	.....	.....
24-Pergunnahs	1,23,565	20,977	1,41,675	438	723	.....	1,42,836	1,02,855	291,674	98	.....	.....	1,177	.....	9,509	21,963	.....	.....
Nuddea	12,904	150	12,098	9,354	49,817	792	72,081	40,347	725	9,046	815	518	.....	208	445	122	1,393	.....
Khulna	15,161	3,500	17,223	.....	.....	.....	17,223	11,014	.....	.....	.....	.....	.....	20	.....	475	6,806	.....
Jessore	23,346	4,975	25,466	779	3,304	.....	29,539	45,960	2,080	.....	.....	.....	.....	202	225	.....	7,623	.....
Moorshedabad	3,136	44	3,184	14,807	25,445	1,614	45,630	4,940	.....	4,358	6,482	.....	.....	.....	.....	.....	.....	.....
Dinapore	20,256	.....	20,256	447	851	6	21,562	18,509	38,675	.....	.....	.....	.....	.....	.....	755	.....	.....
Rajshahye	12,633	.....	12,633	1,079	17,466	108	31,886	68,602	.....	4,543	.....	.....	.....	.....	.....	.....	.....	.....
Rungpore	403	.....	403	66	.....	.....	469	2,00,106	242,025	.....	.....	.....	.....	3	.....	.....	734	14
Bogra	26,274	.....	26,274	.....	.....	.....	26,274	20,594	.....	.....	117	.....	.....	.....	.....	.....	.....	.....
Pubna	2,384	.....	2,384	460	3,201	.....	5,994	4,61,740	661,360	.....	4,993	.....	.....	7	.....	.....	168	.....
Darjeeling	.....	.....	.....	.....	.....	.....	.....	1,04,635	744,415	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jalpigoree	.....	.....	.....	.....	.....	.....	.....	3,10,509	593	162	.....	.....	.....	541	.....	.....	.....	.....
Dacca	55	.....	55	177	1,666	236	2,134	2,72,914	593	.....	.....	.....	.....	555	400	94	125	.....
Furreedpore	5,803	200	6,016	213	5,647	.....	.....	5,716	.....	.....	.....	.....	.....	.....	159	.....	.....	.....
Backergunge	83,779	453	84,062	.....	.....	.....	84,062	.....	.....	.....	.....	.....	.....	27	.....	.....	.....	.....
Mymensingh	7	.....	7	.....	.....	.....	7	1,31,511	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tipperah	.....	.....	.....	.....	.....	.....	.....	13,175	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Chittagong	100	.....	100	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Noakholly	6,428	.....	6,428	.....	343	.....	6,771	499	.....	.....	.....	.....	.....	50	.....	.....	.....	.....
Total of Bengal	7,87,932	62,550	8,27,026	34,417	1,15,877	8,975	9,81,295	18,55,127	2,373,872	30,809	24,759	27,293	4,511	1,480	12,042	40,651	902	31
<b>BEHAR.</b>																		
Patna	493	.....	490	1,05,311	55,682	5,836	1,68,319	.....	1,120	1,57,443	34,664	.....	.....	1	1,047	167	.....	.....
Gya	3	.....	3	3,329	.....	.....	3,332	.....	700	682	.....	.....	.....	.....	.....	647	.....	.....
Shahabad	.....	.....	.....	18,570	14,908	542	34,020	.....	.....	6,903	602	28	.....	.....	266	1,224	.....	.....
Muzafferpore	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,605	265	.....	.....	.....	.....	1	.....	.....
Durbhanga	.....	.....	.....	3,473	959	.....	4,431	879	210	56,884	15,899	.....	.....	14	.....	.....	28	.....
Saran	200	.....	200	4,629	2,633	1,424	8,886	.....	315	3,425	6,826	.....	.....	143	.....	.....	.....	.....
Champarn	.....	.....	.....	9,252	21,179	.....	30,431	.....	105	33,493	752	.....	.....	.....	.....	.....	.....	.....
Monghyr	308	.....	308	43,45	3,652	290	47,495	.....	805	5,791	8,589	.....	.....	.....	.....	514	.....	.....
Bhagalpore	108	.....	108	35,363	3,367	4,382	43,220	.....	745	6,860	17,575	.....	.....	20	.....	.....	.....	.....
Purneah	970	.....	970	2,833	8,649	.....	12,434	1,330	.....	3,576	9,838	89	.....	.....	.....	.....	.....	.....
Maldah	1,111	.....	1,111	6,614	3,987	2,232	13,964	13,659	.....	346	305	.....	.....	.....	.....	.....	.....	.....
Southal Pergunnahs	40	.....	40	17,729	.....	1,911	19,796	.....	1,470	4,340	14,181	.....	.....	102	.....	.....	.....	.....
Total of Behar	3,259	.....	3,259	2,50,345	1,15,997	10,637	3,86,238	15,836	5,575	2,81,557	1,09,393	117	167	194	1,827	2,639	28	.....
<b>ORISSA.</b>																		
Pooree	.....	.....	.....	.....	2,817	.....	2,817	5,271	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Balasore	10,017	3,539	18,229	197	670	.....	19,095	267	840	41	.....	.....	.....	.....	.....	.....	.....	.....
Total of Orissa	10,017	3,539	18,229	197	670	.....	21,913	5,538	840	41	.....	.....	.....	.....	.....	.....	.....	.....
<b>CHOTA NAGPORE.</b>																		
Hazaribagh	.....	.....	.....	.....	.....	.....	.....	.....	745	.....	.....	250	.....	2	.....	.....	.....	.....
Manbhooni	.....	.....	.....	.....	.....	.....	.....	.....	210	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total of Chota Nagpore	.....	.....	.....	.....	.....	.....	.....	.....	945	.....	.....	250	.....	2	.....	.....	.....	.....
Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal																		
	8,07,208	66,089	8,48,514	2,84,959	1,35,361	20,612	13,89,446	18,86,521	2,581,232	3,12,407	1,34,152	27,650	4,668	1,606	13,869	42,690	980	.....
<b>OTHER PROVINCES.</b>																		
Assam	2,950	.....	2,950	.....	.....	.....	2,950	15,085	.....	.....	4,863	1,06,373	.....	8	.....	.....	.....	.....
North-Western Provinces and Oudh	.....	.....	.....	2,20,235	63,857	6,140	2,90,232	.....	1,435	27,550	20,218	1,020	1,41,694	17	566	78	.....	.....
Punjab	6	.....	6	.....	16,368	568	16,942	149	.....	.....	.....	549	3,116	.....	5	.....	.....	.....
Central Provinces	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Rajputana States	.....	.....	.....	.....	270	.....	270	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bombay	.....	.....	.....	.....	.....	.....	.....	.....	.....	455	.....	.....	.....	.....	.....	.....	.....	.....
Madras	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
British Burmah	9,365	.....	9,365	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Other places	8	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Total of imports in November 1886	8,19,537	66,089	8,69,843	5,05,224	3,16,101	27,334	17,09,502	19,61,755	2,883,122	3,39,963	1,59,233	1,35,592	1,04,328	1,654	30,722	55,352	930	.....
Grand Total of imports in November 1885	6,36,053	74,939	6,82,890	3,38,725	2,52,744	16,625	12,99,982	22,53,443	1,668,192	3,37,581	1,31,505	1,11,963	70,181	1,322	18,388	54,452	716	.....

\* One maund of paddy is equivalent to 25 seers of rice.

† Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of November 1886, was as follows:—

EXPORTED FROM CALCUTTA.																	
To Indian ports, viz.:																	
Bombay	2,28,114	.....	2,28,114	.....	.....	.....	2,28,114	.....	1,060,950	.....	.....	986	676	.....	395	.....	.....
Other ports in Bombay	271	.....	271	1	7	.....	279	.....	15,190	.....	.....	.....	.....	.....	64	.....	.....
Madras	.....	.....	.....	.....	34,438	303	34,741	.....	156,359	.....	.....	.....	.....	.....	.....	.....	.....
Other ports in Madras	10,814	.....	10,814	389	5,416	.....	16,619	3,173	141,599	.....	.....	.....	.....	.....	494	.....	.....
British Burmah	2,534	.....	2,534	689	23,910	1,504	28,687	23	507,879	20	.....	474	1	.....	1,127	440	.....
Other Indian ports	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pondicherry	.....	.....	.....	.....	1,764	.....	1,764	.....	82,220	.....	.....	.....	.....	.....	1,130	.....	.....
Total of inter-port trade	2,41,783	.....	2,41,783	1,139	65,535	1,807	3,10,264	3,196	2,896,899	20	4	1,462	682	201	3,211	801	.....
Foreign ports—United Kingdom	54,141	.....	54,141	1,97,713	27,085	8,486	2,87,425	10,83,654	301,506	3,21,428	78,623	1,45,582	10,818	94	.....	.....	.....
Other Foreign ports	2,98,090	9,506	3,04,631	3,38,509	52,789	.....	6,95,279	3,12,877	10,450,880	3,189	260	4,602	28,541	454	.....	.....	.....
Total of Foreign trade	3,52,231	9,506	3,58,172	5,36,222	79,874	8,486	9,82,704	13,96,531	10,758,386	3,24,617	78,883	1,50,084	37,559	678	.....	.....	.....
Grand Total of Exports in November 1886	5,94,014	9,506	5,99,955	5,87,361	1,45,369	10,293	12,92,965	13,99,747	13,654,575	3,24,637	78,897	1,51,540	38,041	776	3,211	801	.....
Grand Total of Exports in November 1885	6,12,923	2,843	6,14,703	4,25,861	58,736	6,126	11,05,329	19,97,468	7,228,333	4,80,286	36,962	1,45,179	17,149	1,463	3,417	228	.....

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of November 1886.

## IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Drained.	Un-drained.	Bis-path.	Other kinds.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Country boats ...	3,82,581	51,793	54,063	1,27,504	12,852	6,10,368	622,167	46,593	68,264	...	3,168	241	3,510	26,832	196	12,316
Steamers ...	7,815	672	3,677	815	102	4,98,797	...	3,530	10,000	26,319	195	102	1,695	...	...	307
East Indian Railway ...	2,89,744	3,637	4,46,063	1,64,178	14,366	...	30,065	2,85,380	80,281	3,110	1,45,206	762	1,401	2,117	...	969
Eastern Bengal State Railway ...	69,728	11	963	20,542	...	7,94,280	1,690,500	4,413	688	34,113	1,004	526	1	3,408	734	15,342
Grand Total ...	44,279	6,437	261	...	...	81,639	39,550	...	...	...	84	...	7,834	16,321	...	6,542
Grand Total of Imports in November 1886 ...	25,390	3,539	197	5,062	14	5,271	840	41	...	2,050	14,672	23	16,281	12,584	...	545
Grand Total of Imports in November 1885 ...	8,19,637	66,089	5,05,224	3,16,101	27,334	19,01,755	2,383,122	3,39,963	1,59,233	1,35,592	1,64,328	1,654	39,722	55,352	930	35,821
Grand Total of Imports in November 1886 ...	6,36,053	74,939	3,38,725	2,52,744	16,623	22,53,443	1,668,192	3,37,581	1,31,505	1,11,963	70,181	1,322	18,388	54,452	716	38,931

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of November 1886.

## EXPORTS FROM CALCUTTA.

Other exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.				European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.		Rs.	Rs.	Mds.	Mds.	Mds.	No.
BENGAL.							CHOTA NAGPORE.						
Baran ...	3,64,723	19,250	610	1,714	12,380	110,839	Hazareebagh ...	41,391	3,630	...	204	...	840
Baraboom ...	1,79,235	4,520	116	592	...	100,905	Manbhoom ...	85,176	4,730	28	1,366	...	4,900
Barpeta ...	2,06,814	...	1,765	...	6,205	26,028	Total of Chota Nagpore ...	1,26,567	8,360	23	1,570	...	4,900
Barso ...	1,39,455	1,773	526	109	170	77,223	Grand Total of supplies into the provinces under the Lieutenant-Governor of Bengal.	85,64,342	92,259	14,929	9,674	5,88,273	11,51,790
Barunah ...	2,11,300	10,616	437	...	12,016	120,415	OTHER PROVINCES.						
Barunah ...	8,92,092	...	1,996	...	43,632	29,153	Assam ...	4,13,977	229	431	...	53,359	...
Barunah ...	99,599	...	255	...	10,240	1,400	North-Western Provinces and Oudh ...	27,34,830	47,896	3,668	1,122	...	446,950
Barunah ...	1,17,435	...	759	...	32,957	690	Punjab ...	7,84,161	36,869	1,717	...	...	137,795
Barunah ...	98,476	550	59	5	19,930	18,965	Central Provinces ...	31,122	...	139	...	...	41,195
Barunah ...	1,24,362	...	146	...	8,537	5,845	Rajputana States ...	22,806	...	124	...	...	46,220
Barunah ...	2,06,836	990	63	...	31,368	6,079	Bombay ...	29,526	770	...	...	...	1,916,55
Barunah ...	4,32,873	...	155	...	14,306	210	Madras ...	60,962	...	2,188	15	...	297,040
Barunah ...	2,81,421	...	171	...	7,701	12,355	Pondicherry ...	...	...	...	...	...	2,100
Barunah ...	3,06,561	...	178	39	94,699	950	British Burmah ...	2,33,448	...	747	863	...	597,870
Barunah ...	39,879	550	105	...	1,557	...	Other places ...	26,469	9,369	5,024	...	...	10,758,386
Barunah ...	1,63,485	...	202	...	15,099	315	Grand Total of Exports in November 1886 ...	1,28,92,634	1,83,358	28,987	11,734	6,40,632	15,397,020
Barunah ...	8,10,729	3,520	1,892	...	55,108	1,740	Grand Total of Exports in November 1885 ...	1,88,85,009	83,459	23,864	10,379	9,39,960	9,090,538
Barunah ...	5,11,199	...	1,058	...	46,512	2,510							
Barunah ...	2,03,710	...	280	...	37,001	525							
Barunah ...	1,47,798	...	94	...	23,349	79							
Barunah ...	1,46,742	...	250	...	5,780	...							
Barunah ...	27,840	...	...	...	300	...							
Grand Total of Exports in November 1886 ...	52,06,983	41,769	10,817	2,459	4,84,027	516,827							
Grand Total of Exports in November 1885 ...	...	...	...	...	...	...							
BHAR.													
Baran ...	3,47,823	2,530	192	475	6,500	247,805							
Baraboom ...	1,06,633	990	33	863	...	21,175							
Barpeta ...	4,78,233	...	11	542	...	25,110							
Barso ...	66,780	7,700	2	...	400	1,925							
Barunah ...	6,24,897	6,190	23	925	22,890	66,900	IMPORTED INTO CALCUTTA—						
Barunah ...	1,46,286	...	6	60	509	11,620	From Foreign Ports—						
Barunah ...	4,05,657	1,650	46	...	19,530	10,530	United Kingdom ...	1,67,43	152	...	11,137	6,59,437	...
Barunah ...	2,02,217	8,140	6	641	8,475	59,920	Other Foreign ports ...	60,490	...	506	...	3,36,984	...
Barunah ...	2,01,633	10,010	61	476	1,342	37,675	Total of Foreign Trade ...	1,08,03,612	...	11,643	...	9,96,441	...
Barunah ...	1,92,339	2,040	52	664	15,976	5,668	From Indian Ports—						
Barunah ...	2,05,104	1,980	77	1,063	23,290	3,090	Bombay ...	11,137	2,86,810	...	7,006	59,597	...
Grand Total of Exports in November 1886 ...	30,36,902	42,130	463	5,615	80,873	547,843	Madras ...	8,238	4,511	...	...	...	...
Grand Total of Exports in November 1885 ...	...	...	...	...	...	...	British Burmah ...	2,202	1,100	238	...	...	...
							Other Indian ports ...	652	450	...	4	...	849
							Total of Interport Trade ...	22,229	2,92,871	238	7,010	59,597	849
							Grand Total of Imports in November 1886 ...	1,08,25,871	2,92,871	11,881	7,010	10,56,035	840
							Grand Total of Imports in November 1885 ...	77,14,409	2,94,965	22,310	3,335	8,68,941	309

\* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of November 1886.

SPECIFICATION OF ROUTES.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Country boats ...	3,83,608	450	2,544	...	4,73,572	256,526
Steamers ...	8,05,318	6,160	1,472	25	37,168	50,457
East Indian Railway ...	73,06,087	1,49,710	6,748	10,754	...	1,38,620
Eastern Bengal State Railway ...	34,01,283	5,280	5,628	39	1,05,429	47,110
Grand Total of Exports in November 1886 ...	2,28,331	12,380	765	38	4,550	4,732
Grand Total of Exports in November 1885 ...	6,29,642	9,369	11,830	878	14,373	13,864,575
Grand Total of Exports in November 1886 ...	1,28,92,634	1,83,358	28,987	11,734	6,40,632	15,397,020
Grand Total of Exports in November 1885 ...	1,88,85,009	83,459	23,864	10,379	9,39,960	9,090,538

STATISTICAL DEPARTMENT,  
The 16th April 1887.

P. NOLAN,  
Secretary to the Govt. of Bengal.

## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.												
			AIR PRESSURE.			WIND.		TEMPERATURE.							
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.
ORISSA.	Pooree	Gopalpore	29.856	29.906	—	SSW	326	86.2	12th April	77.3	9th April	85.4	78.6	82.0	—
		False Point	29.894	29.912	+0.05	SSW	336	89.0	15th "	71.1	10th "	88.0	76.7	83.4	-2.1
	Cuttack	Cuttack	29.808	29.889	+0.38	S & SSW	82	104.4	12th "	70.8	10th & 11th April.	100.1	75.0	87.6	-2.5
	Balasore	Balasore	29.827	29.886	—	SW	122.5	88.9	15th "	68.9	9th April	86.99	73.4	80.29	—
	South-West Midnapore	Saugor Island	29.882	29.908	+0.062	S	243	90.2	13th "	72.5	15th "	88.8	77.1	83.0	-1.5
	South 24-Pergunnahs	Midnapore	29.726	29.877	—	S	126.2	95.8	15th "	67.2	15th "	92.0	72.2	82.6	—
SOUTH-WEST BENGAL.	24-Pergunnahs														
	Howrah	Calcutta	29.874	29.896	+0.05	SSE	120	93.5	13th "	68.2	9th "	89.6	72.0	80.8	-5.1
	Hooghly														
	Burdwan	Burdwan	29.800	29.902	+0.055	South-easterly.	89.3	95.2	12th "	66.0	14th "	93.8	71.5	82.7	-5.8
	Bankoora	Bankoora	29.574	—	—	SE	37	97.1	13th "	67.1	15th "	91.8	71.7	81.8	—
	Beerbhoom	Raneegunge	29.569	—	—	SE	85.6	98.5	13th "	64.2	14th "	93.2	71.0	82.1	—
	West Burdwan														
	Moorshedabad	Berhampore	29.836	29.904	+0.098	SSW	97.0	95.7	14th "	68.2	9th, & 11th April.	90.6	70.9	80.8	-7.4
	Nuddea	Krishnaghur	29.848	—	—	S	95.8	95.0	14th "	69.5	9th April	91.4	70.4	80.9	—
	Jessore	Jessore	29.881	29.914	+0.091	South-westerly.	57.8	96.3	11th "	67.5	9th "	92.4	72.2	82.3	-4.6
EAST BENGAL.	Khoolna														
	Chittagong	Chittagong	29.840	29.930	+0.048	Variable	62	89.6	11th, & 12th April.	68.5	11th "	83.9	72.1	80.5	-0.8
	Chittagong Hill Tracts	Demagiri													
	Backergunge	Barrisal	29.897	29.909	—	S	70.6	92.3	11th & 14th April.	69.4	9th "	90.8	72.5	81.7	—
	Noakholly	Noakholly	29.874	29.917	—	Calm	13.7	90.5	13th April	66.4	11th "	88.8	71.2	80.0	—
	Furreedpore	Furreedpore	29.887	—	—	S, NW	93	94.5	14th "	65.0	9th "	87.0	69.6	78.3	—
	Dacca	Dacca	29.800	29.913	+0.089	S	79	95.1	14th "	69.1	9th "	91.5	72.0	81.7	-2.3
	Tipperah	Comilla	29.880	29.916	—	SE	74.1	94.3	15th "	68.8	9th "	91.5	70.4	81.0	—
	Mymensingh	Mymensingh	29.876	—	—	SE	74	90.3	9th & 13th April.	66.1	9th "	89.0	68.4	78.7	—
NORTH BENGAL.	Bogra	Bogra	29.832	29.896	—	Calm	40.2	95.0	14th April	64.4	10th "	91.4	69.2	80.3	—
	Pubna	Serajunge	29.860	29.907	—	South-easterly.	70.2	94.9	14th "	64.6	9th "	90.4	68.7	79.5	—
	Rajshahye	Rampore Beaulah.	29.819	29.889	—	S	91.7	95.3	14th "	64.7	10th & 11th April.	91.7	68.1	79.9	—
	Maldah	Maldah	29.728	—	—	SE	39.7	96.5	14th "	62.7	11th April	91.9	67.6	79.8	—
	Dinagopore	Dinagopore	29.783	29.904	—	SSE	78.6	94.1	14th "	64.2	10th "	89.7	69.0	79.4	—
	Rungpore	Rungpore	29.787	29.914	—	E	79.9	92.4	13th "	53.8	15th "	89.5	64.8	76.7	—
	Julpigoree	Julpigoree	29.637	29.928	—	Easterly	106.4	92.0	14th "	60.4	10th "	87.7	65.6	76.7	—
	Cooch Behar														
	Darjeeling Hill Districts	Darjeeling	29.020	—	+0.055	Calm	118.3	60.9	14th "	42.0	10th "	57.3	45.6	51.4	-3.1
	Purneah	Purneah	29.784	29.911	+0.119	Calm	18.3	96.2	14th "	62.7	10th "	90.8	66.1	78.4	-5.2
NORTH BHAR.	North Bhagulpore														
	Mozufferpore	Mozufferpore													
	Durbhunga	Durbhunga	29.735	29.905	+0.114	ESE	122	94.9	14th April	65.9	9th & 10th April.	90.7	68.6	79.7	-4.1
	Chumparun	Motihar	29.670	29.900	—	ESE	151.9	96.3	14th "	61.1	10th April	88.2	65.5	76.9	—
	Sarun	Chupra	29.691	—	—	Easterly.	97.1	98.0	15th "	63.8	9th "	93.1	69.2	81.2	—
		Dehree	29.511	29.855	—	S	169.7	94.2	14th "	64.8	9th "	89.4	70.4	79.9	—
	Shahabad	Buxar	29.635	29.878	—	NE	150.6	97.4	14th "	62.9	9th "	92.2	69.8	81.0	—
		Arrah	29.665	29.863	—	South-easterly.	88.6	98.2	14th "	63.8	9th & 10th April.	93.7	69.2	81.5	—
	Gya	Gya	29.458	29.864	+0.053	N	66.0	99.1	13th "	67.7	9th & 10th April.	95.4	71.0	83.2	-6.1
	Patna	Bankipore	29.703	29.887	+0.087	North-easterly.	104.1	98.5	14th "	66.3	9th April	93.1	69.8	81.5	-5.6
SOUTH BHAR.	South Bhagulpore														
	Monghyr	Bhagulpore	29.710	29.832	—	Easterly	74	96.4	14th "	65.0	10th "	90.0	68.9	79.4	—
	Southal Pergunnahs	Doomka	29.383	—	—	SE	35.8	96.4	14th "	67.4	9th "	92.0	71.0	81.5	—
	Hazaribagh	Hazaribagh	27.867	29.853	+0.042	S	137.6	96.5	14th & 15th April.	62.8	9th "	93.0	67.6	80.3	-4.2
	Lohardugga														
	Manbhoom	Ranchee	27.744	29.842	—	SSW	126.2	97.3	15th April	63.9	10th "	92.9	66.8	79.0	—
	Singbhoom	Chyabassa	29.096	—	—	S, SSW	55.3	103.0	14th "	71.0	9th "	95.4	74.2	86.3	—
CHUTIA NAGPUR.															

**Explanation. — Summary.**—The normal means of air pressure and temperature are the arithmetical averages or means of the readings during the same period for the years 1871 to 1880. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional station for the period in question during the station in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.



for the week ending Friday, the 15th April 1887.

DISTRICT OBSERVATIONS.														Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.
Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.													
			Of week.		Since 1st of Month.			Since 15th May 1886.			Average number of rainy days.	Normal number of rainy days.				
			Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
75	0.4	Nil	—	—	—	—	—	—	—	—	—	—	—	Gopalpore ...	Pooree ...	ORISSA.
73	3.1	Nil	0.04	0.17	0.04	0.56	—0.52	62.00	58.26	+3.74	0.3	0.5	0.5	False Point ...	...	
72	0.6	0.06	0.21	0.15	0.21	0.34	—0.13	65.90	54.02	+11.88	1.0	0.4	0.4	Cuttack ...	Cuttack ...	
66	0	0.34	0.70	0.35	0.70	0.63	+0.07	60.74	56.76	+3.98	1.7	0.8	0.8	Balasore ...	Balasore ...	SOUTH-WEST BENGAL.
79	5.0	1.16	0.52	0.27	0.52	0.40	+0.12	54.98	66.23	—11.25	1.4	0.5	0.5	Saugor Island ...	South-West Midnapore ...	
7	2.3	1.20	0.68	0.18	0.94	0.38	+0.56	50.10	55.02	—4.92	1.3	0.5	0.5	Midnapore ...	South 24-Pergunnahs ...	
68	3.3	0.50	0.96	0.29	1.06	0.63	+0.43	61.91	55.35	+6.56	1.9	0.6	0.6	Calcutta ...	24-Pergunnahs ...	SOUTH-WEST BENGAL.
63	2.0	1.13	1.16	0.37	1.31	0.73	+0.58	58.50	49.48	+9.02	1.3	0.6	0.6	Burdwan ...	Howrah ...	
67	1.1	1.57	1.26	0.09	1.39	0.21	+1.18	56.26	54.26	+2.00	1.8	0.3	0.3	Bankoora ...	Hooghly ...	
60	1.6	1.23	1.37	0.24	1.82	0.44	+1.38	70.49	53.85	+16.64	1.3	0.5	0.5	Raneegunge ...	Burdwan ...	SOUTH-WEST BENGAL.
65	1.7	0.76	0.58	0.34	0.71	0.62	+0.09	64.73	51.23	+13.51	1.5	0.5	0.5	Berhampore ...	West Burdwan ...	
49	2.3	0.34	0.79	0.56	0.99	1.13	—0.14	61.22	52.95	+8.27	1.0	0.6	0.6	Krishnaghur ...	Moorsheadabad ...	
62	2.4	0.32	0.38	0.61	0.38	1.17	—0.79	64.03	58.02	+6.01	1.4	0.8	0.8	Jessore ...	Nuddea ...	SOUTH-WEST BENGAL.
68	4.7	0.05	Nil	0.49	Nil	0.78	—0.78	133.58	117.24	+16.34	0.0	0.9	0.9	Chittagong ...	Jessore ...	
66	1.9	0.32	0.14	0.62	0.14	0.95	—0.81	81.77	82.16	—0.39	0.8	1.0	1.0	Demagiri ...	Khoolna ...	
65	0.6	0.24	0.16	0.98	0.16	1.86	—1.70	128.70	115.07	+13.63	1.0	1.5	1.5	Barrisal ...	Chittagong Hill Tracts ...	EAST BENGAL.
58	0	Nil	0.49	0.68	0.57	1.30	—0.73	65.91	61.14	+4.77	0.7	1.2	1.2	Noakholly ...	Backergunge ...	
64	1.9	0.03	0.10	0.48	0.10	1.79	—1.69	81.67	64.28	+17.39	1.0	1.6	1.6	Furreedpore ...	Noakholly ...	
71	2.3	0.25	0.13	0.98	0.13	1.93	—1.80	84.26	77.83	+6.43	0.5	1.5	1.5	Dacca ...	Furreedpore ...	EAST BENGAL.
67	1.6	0.82	0.60	0.41	0.57	1.14	—0.57	73.08	71.49	+1.59	0.8	1.1	1.1	Commillah ...	Dacca ...	
68	1.1	0.23	0.11	0.24	0.11	0.48	—0.37	70.64	58.55	+12.09	1.3	0.5	0.5	Mymensingh ...	Tipperah ...	
70	2.4	0.30	0.28	0.38	0.32	1.09	—0.77	65.93	57.60	+8.93	1.0	0.8	0.8	Bogra ...	Mymensingh ...	NORTH BENGAL.
62	0	0.43	0.20	0.16	0.20	0.64	—0.44	63.03	56.10	+6.93	0.5	0.4	0.4	Serajgunge ...	Bogra ...	
56	0	1.31	0.92	0.28	1.06	0.48	+0.58	64.51	55.34	+9.17	2.0	0.4	0.4	Rampore Beaulah ...	Pubna ...	
53	1.1	0.29	0.43	0.06	0.44	0.17	+0.27	76.19	54.95	+21.24	2.0	0.2	0.2	Maldah ...	Rajshahye ...	NORTH BENGAL.
51	0.9	0.62	0.37	0.47	0.37	1.01	—0.64	76.79	76.23	+0.56	0.6	1.0	1.0	Dinapore ...	Maldah ...	
52	0.6	0.57	0.61	0.57	0.64	1.32	—0.68	113.46	114.07	—0.61	2.4	1.1	1.1	Rungpore ...	Dinapore ...	
55	5.4	3.63	1.86	0.81	2.57	1.62	+0.95	146.67	121.32	+25.35	3.5	1.8	1.8	Julpigoree ...	Rungpore ...	NORTH BENGAL.
56	1.3	1.40	1.04	0.17	1.10	0.34	+0.76	81.98	58.05	+23.93	1.8	0.2	0.2	Cooch Behar ...	Julpigoree ...	
67	0.9	0.05	0.69	0.13	0.66	0.18	+0.51	63.89	44.07	+19.82	2.0	0.1	0.1	Darjeeling ...	Cooch Behar ...	
60	3.0	0.60	0.68	0.21	0.80	0.35	+0.45	62.96	46.70	+16.26	2.0	0.2	0.2	Purneah ...	Darjeeling Hill Districts ...	NORTH BENGAL.
55	1.1	0.39	0.35	0.05	0.42	0.07	+0.35	63.64	42.30	+21.34	1.0	0.2	0.2	Purneah ...	Purneah ...	
44	1.1	0.25	—	—	—	—	—	—	—	—	—	—	—	North Bhagulpore ...	Purneah ...	
50	1.1	0.35	0.30	0.63	0.72	0.69	+0.63	57.60	40.34	+17.26	1.0	0.2	0.2	Mozufferpore ...	North Bhagulpore ...	NORTH BENGAL.
50	0.9	0.05	—	—	—	—	—	—	—	—	—	—	—	Mozufferpore ...	Mozufferpore ...	
35	0.4	0.30	0.56	0.01	0.66	0.07	+0.59	67.18	41.08	+26.10	1.0	0.2	0.2	Durbhunga ...	Mozufferpore ...	
50	1.4	0.04	0.20	0.05	0.26	0.09	+0.17	62.49	41.20	+21.29	1.0	0.3	0.3	Chumparun ...	Durbhunga ...	SOUTH BENGAL.
60	0.6	0.97	0.66	0.10	0.75	0.17	+0.58	62.81	48.16	+19.65	1.4	0.3	0.3	Motihari ...	Chumparun ...	
68	0	0.02	0.81	0.16	1.11	0.24	+0.87	73.73	50.20	+23.53	1.5	0.3	0.3	Chupra ...	Motihari ...	
53	1.1	Nil	0.03	0.04	0.16	0.08	+0.08	59.95	51.60	+7.45	0.2	0.2	0.2	Shahabad ...	Chupra ...	SOUTH BENGAL.
40	0.7	0.01	1.036	0.16	0.74	0.28	+0.46	51.18	49.43	+1.75	0.8	0.5	0.5	Buxar ...	Shahabad ...	
43	0.1	drops	Nil	0.16	0.17	0.31	—0.14	44.09	54.54	—10.45	0.0	0.5	0.5	Bankipore ...	Buxar ...	
														South Bhagulpore ...	Bankipore ...	CHUTIA NAG. FUE.
														Monghyr ...	South Bhagulpore ...	
														Sonthal Pergunnahs ...	Monghyr ...	
														Hazaribagh ...	Sonthal Pergunnahs ...	CHUTIA NAG. FUE.
														Lohardugga ...	Hazaribagh ...	
														Manbhoom ...	Lohardugga ...	
														Singbhoom ...	Manbhoom ...	CHUTIA NAG. FUE.
														—	Singbhoom ...	
														—	—	

years. The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.  
 denoting cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District observations of rainfall, the normal mean  
 years. The means of the district are the numerical averages of the rainfall return received in the district, i.e., from the total rainfall at the sub-divisions.

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 15th of April 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1886.	Average rainfall from 15th May to date.
			Saturday, 9th April.	Sunday, 10th April.	Monday, 11th April.	Tuesday, 12th April.	Wednesday, 13th April.	Thursday, 14th April.	Friday, 15th April.	Number of rainy days.	Rainfall week.				
ORISSA	Pooree	Pooree	.....	0'17	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'18	55'18	53'64
		Khurdah	.....	.....	.....	.....	.....	.....	.....	1	0'17	0'17	0'24	68'50	58'90
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'31	66'57	52'19
		False Point	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'53	59'59	68'47
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	66'29	?
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Cuttack	Jagatsingapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'16	69'66	53'21
		Banki	0'40	.....	.....	.....	.....	.....	.....	1	0'40	0'40	0'12	63'00	52'46
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'41	57'80	54'85
		Kendrapara	.....	.....	.....	.....	.....	0'10	0'50	2	0'60	0'60	0'63	66'19	56'09
		Jalipore	.....	.....	.....	.....	.....	0'07	0'40	3	0'57	0'57	?	68'16	?
		Dharmasalla	0'10	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?
	Balasore	Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'54	55'01	54'96
		Bhuddruck	0'30	.....	.....	.....	.....	1'30	2'05	3	2'05	3'05	0'82	64'29	55'22
		Sorah	.....	.....	.....	.....	.....	.....	0'26	1	0'26	0'26	0'59	61'97	54'06
		Balasore	0'15	.....	.....	.....	.....	.....	.....	1	0'15	0'15	1'07	63'71	61'86
		Jellasore	0'40	.....	.....	.....	.....	.....	.....	1	0'40	0'40	0'51	64'21	54'71
SOUTH-WEST BENGAL.	Midnapore	Baripoddah	0'10	.....	.....	.....	.....	0'10	.....	2	0'20	0'20	0'29	55'63	67'70
		Contai	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'34	44'01	61'99
		Saugor Island	0'36	.....	0'28	.....	.....	.....	0'52	3	1'16	1'16	0'10	66'30	60'88
		Tumleok	.....	.....	.....	.....	.....	.....	0'30	1	0'30	0'30	0'32	47'30	54'90
		Midnapore	.....	.....	.....	.....	.....	.....	1'00	1	1'00	1'51	0'36	46'16	62'30
	24-Pargunnah	Ghattai	0'01	.....	.....	.....	.....	.....	0'72	2	0'73	0'99	0'46	42'87	59'07
		Devog	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	?	?
		Heria	.....	.....	.....	.....	.....	.....	0'36	1	0'36	0'36	?	48'90	?
		Bhagwanpore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	43'50	?
		Garbeta	0'40	.....	.....	.....	.....	.....	0'70	2	1'10	1'10	?	51'88	?
	Howrah	Diamond Harbour	.....	.....	.....	.....	.....	.....	0'40	1	0'40	0'40	0'6	54'63	63'10
		Canning Town	.....	.....	.....	.....	.....	.....	0'08	1	0'08	0'08	?	60'69	?
		Alipore Jail	.....	.....	.....	.....	.....	.....	0'50	1	0'50	1'08	0'65	62'03	59'29
		Barrackpore	.....	0'67	.....	.....	.....	.....	0'41	2	1'08	0'54	0'58	60'91	62'81
		Dum-Dum	.....	.....	.....	.....	.....	.....	0'54	1	0'54	1'14	0'67	57'85	65'11
	Hooghly	Baraset	.....	.....	.....	.....	.....	.....	1'14	1	1'14	0'87	0'67	64'63	63'42
		Buseerhat	.....	0'65	.....	.....	.....	.....	0'22	2	0'87	0'87	0'44	71'22	57'70
		Howrah	.....	0'03	.....	.....	.....	0'01	0'19	3	0'23	0'24	0'96	55'58	54'91
		Mohesreka (Ooloberiah.)	.....	.....	.....	.....	.....	.....	0'32	1	0'32	0'36	0'45	57'24	66'29
		Serampore	.....	0'66	.....	.....	.....	.....	0'51	2	1'17	1'17	0'69	63'89	53'65
	Hooghly	Hooghly	0'07	0'53	.....	.....	.....	.....	1'15	3	1'75	1'82	0'73	59'68	53'36
		Jehanabad	.....	0'66	.....	.....	.....	.....	1'22	3	2'03	2'88	0'54	65'06	57'78
	Burdwan	Culina	.....	.....	.....	.....	.....	.....	1'38	1	1'38	1'46	0'73	57'64	47'29
		Burdwan	.....	.....	.....	.....	.....	.....	0'30	2	1'13	1'20	0'70	63'35	50'60
		Cutwa	.....	.....	.....	.....	.....	.....	0'96	1	0'96	1'26	0'77	54'50	39'54
		Raneegunge	.....	.....	.....	.....	.....	.....	1'25	1	1'25	1'80	0'33	68'47	50'46
		Mankur	.....	.....	.....	.....	.....	.....	1'41	2	1'86	1'86	?	65'59	?
	Bankura	Bankura	.....	0'84	.....	.....	.....	.....	0'72	2	1'56	1'74	0'48	54'25	54'54
		Rishenpore	.....	1'04	.....	.....	.....	.....	0'42	2	1'46	1'40	0'26	51'59	53'21
		Mahara	.....	.....	.....	.....	.....	.....	0'63	1	0'63	0'86	0'04	59'72	50'00
		Khatra	.....	0'48	.....	.....	.....	.....	0'92	2	1'40	1'49	0'05	57'50	59'15
		Indas	.....	0'70	.....	.....	.....	.....	0'70	3	1'49	1'52	?	52'16	?
		Kotalpore	.....	1'53	.....	.....	.....	.....	0'45	3	2'23	2'23	?	46'56	?
		Anda	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	40'10	?
		Gangajalghati	.....	.....	.....	.....	.....	.....	0'31	1	0'31	0'80	?	57'65	?
		Raipore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	59'49	?
		Sonamukhi	.....	.....	.....	.....	0'60	0'42	.....	2	1'02	1'02	?	40'01	?
	Beerbhoom	Bh. Soory	.....	.....	.....	.....	.....	0'64	.....	1	0'64	1'48	0'20	71'87	55'16
		Hetampore	.....	.....	.....	.....	0'94	0'05	.....	2	0'99	1'28	0'42	69'94	55'32
		Rampore Haut	.....	.....	.....	.....	.....	2'59	.....	1	2'59	2'69	0'74	71'37	52'81
	Nuddea	Bolpore	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'42	?	65'94	?
		Ransghat	.....	.....	.....	.....	.....	.....	0'91	1	0'91	1'07	1'25	55'13	50'26
		Kishnaghur	.....	.....	.....	.....	.....	0'34	.....	1	0'34	0'38	1'13	54'77	49'46
		Choodanga	.....	.....	.....	.....	.....	0'33	1'35	2	1'68	1'68	1'00	61'30	53'15
		Meherpore	.....	.....	.....	.....	.....	1'00	.....	1	1'00	1'50	1'20	61'20	51'31
	Khoolna	Kooshien	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'29	1'16	73'66	57'92
		Satkhiria	.....	.....	.....	.....	0'10	.....	0'13	2	0'23	0'23	1'12	61'78	60'30
		Bagirhat	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'18	80'83	65'67	59'92
		Khoolna	.....	0'12	.....	.....	.....	.....	0'33	2	0'35	0'35	0'82	53'51	59'92
		Narail	.....	.....	.....	.....	.....	.....	0'17	1	0'17	0'17	1'06	55'28	51'34
	Jessore	Jessore	.....	.....	0'12	.....	.....	.....	0'20	2	0'32	0'32	1'31	60'64	58'27
		Jhenidah	.....	.....	.....	.....	.....	.....	0'75	1	0'75	0'75	1'43	65'03	58'64
		Mugoorah	.....	.....	.....	.....	.....	0'99	0'03	2	1'02	1'02	1'25	68'71	55'43
		Bongong	.....	.....	.....	.....	.....	.....	0'21	1	0'21	0'21	1'13	57'51	51'47
		Kandi	.....	.....	.....	.....	0'82	.....	.....	1	0'82	1'22	0'73	58'52	52'32
	Moorshedabad	Berhampore	.....	.....	.....	.....	.....	0'76	.....	1	0'76	0'87	0'70	64'19	53'95
		Lalbagh	.....	.....	.....	.....	.....	0'25	.....	1	0'25	0'25	0'32	65'89	47'59
		Azimungunge	.....	.....	.....	.....	.....	0'45	.....	1	0'45	0'55	0'66	66'83	63'68
		Jungipore	0'06	0'13	.....	.....	.....	0'27	.....	3	0'46	0'60	0'71	70'94	49'06
		Lalgola	0'17	.....	.....	.....	.....	0'60	.....	2	0'77	0'77	0'56	63'15	51'72
	Chittagong	Akhrganj	.....	.....	.....	.....	.....	0'40	.....	1	0'40	0'45	?	?	?
		Cox's Bazar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'60	136'70	127'46
		Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'95	120'42	97'06
		Kutubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	122'37	?
		Satkanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	118'65	?
	Chittagong Hill Tracts.	Rangemati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'46	106'51	80'41
		Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'74	59'76	53'66
	Backergunge	Patnakhally	.....	.....	0'15	.....	.....	.....	.....	1	0'15	0'15	0'57	85'44	81'92
		Perozepore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'77	81'86	73'62
		Burrisal	.....	.....	0'34	.....	.....	.....	.....	1	0'34	0'34	1'43	68'13	73'86
	Bhola	Bhola	.....	.....	0'05	.....	.....	.....	.....	1	0'05	0'05	1'01	91'65	58'28

District.	Station.	RAINFALL.							TOTAL		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1890.	Average rainfall from 15th May to date.	
		Saturday, 9th April.	Sunday, 10th April.	Monday, 11th April.	Tuesday, 12th April.	Wednesday, 13th April.	Thursday, 14th April.	Friday, 15th April.	Number of rainy days.	of Rainfall week.					
Noakholly	Gournaddi			0.21				0.03	2	0.24	0.24	?	68.78	?	
	Bauphal			0.02					1	0.02	0.02	?	87.82	?	
	Noakholly								1	0.24	0.24	1.73	119.13	114.67	
	Fenny			0.07					1	0.07	0.07	1.90	138.23	114.67	
	Harishpore			0.55					1	0.55	0.55	?	147.41	?	
Furreedpore	Ramganj								Nil	Nil	Nil	?	90.56	?	
	Madaripore								Nil	Nil	Nil	1.40	72.26	61.36	
	Furreedpore								Nil	Nil	Nil	1.40	63.38	63.87	
Dacca	Goalundo								2	1.47	1.73	1.11	62.11	63.82	
	Munshingunge		0.03	0.04					2	0.07	0.07	2.10	100.88	77.84	
	Dacca								Nil	Nil	Nil	1.82	72.04	77.84	
	Naraingunge								Nil	Nil	Nil	1.85	80.00	64.34	
	Manickgunge								1	0.30	0.30	1.37	64.80	60.02	
Hill Tipperah	Joydebore								Nil	Nil	Nil	?	77.19	55.06	
	Agartola								Nil	Nil	Nil	1.71	73.23	69.25	
	Comilla			0.20					1	0.20	0.20	2.27	93.53	83.99	
	Chandpore			0.30					1	0.30	0.30	1.77	93.05	87.04	
	Brahmunberia								Nil	Nil	Nil	1.96	77.20	70.73	
Mymensingh	Ramchandra-pore.		0.23						1	0.23	0.23	?	72.54	?	
	Nasirnagar								1	0.10	0.10	?	63.57	?	
	Daudkandi								Nil	Nil	Nil	?	77.92	?	
	Kasba								Nil	Nil	Nil	?	77.92	?	
	Laksham								Nil	Nil	Nil	?	92.54	?	
Pubna	Kishoregunge					1.91			1	1.91	1.91	1.77	80.40	75.85	
	Atin (Tangail)								Nil	Nil	Nil	0.98	58.89	59.06	
	Mymensingh		0.05			0.42			2	0.47	0.50	1.20	77.23	78.79	
	Jamulpore								1	0.44	0.44	0.80	64.26	69.54	
	Netrokona								Nil	Nil	Nil	0.86	84.05	73.30	
Hogra	Subornakhally		0.27			0.02			2	0.29	0.29	?	52.40	?	
	Durgapore		0.30						1	0.30	0.30	?	?	?	
	Deuaganj					0.15			1	0.15	0.15	?	65.96	?	
	Pubna				0.23				1	0.23	0.31	1.17	69.30	58.11	
	Sorajgunge		0.34						1	0.34	0.34	1.02	62.54	65.89	
Kajshahye	Sherpore								Nil	Nil	Nil	0.29	71.36	60.51	
	Nowkhilla		0.20						2	0.22	0.22	0.44	67.55	55.93	
	Bogra		0.15				0.03	0.03	3	0.21	0.21	0.90	79.52	62.47	
	Panchbibi								Nil	Nil	Nil	0.28	70.13	54.71	
	Beaulash							0.41		1	0.41	0.41	0.61	65.17	54.58
Maldah	Nattore								Nil	Nil	Nil	0.67	60.89	57.68	
	Nowkong							0.34		1	0.34	0.34	?	73.73	?
	Lalpoore					</									



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 15th of April 1887—concluded.

Met. orological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of Month.	Average total rainfall from 1st of Month.	Total rainfall since 15th May 1886.	Average rainfall from 15th May to date.
			Saturday, 9th April.	Sunday, 10th April.	Monday, 11th April.	Tuesday, 12th April.	Wednesday, 13th April.	Thursday, 14th April.	Friday, 15th April.	Number of rainy days.	Rainfall of week.				
NORTH BEHAR—concluded.	Saran	Gopalgunge...	0.47	.....	.....	.....	.....	.....	.....	1	0.47	0.47	Nil	60.70	
		Sewan...	0.15	.....	.....	.....	.....	.....	.....	1	0.15	0.15	0.08	60.35	
SOUTH BEHAR	Shahabad	Chuprah...	0.43	.....	.....	.....	.....	.....	.....	1	0.43	0.43	0.14	60.85	
		Buxar...	0.41	.....	.....	.....	.....	.....	.....	1	0.41	0.41	0.11	61.02	
		Dehree...	0.25	.....	.....	.....	.....	.....	.....	1	0.25	0.25	?	52.02	
		Bhuboah...	0.65	.....	.....	.....	.....	.....	.....	1	0.65	0.65	0.05	53.93	
		Sasseram...	0.10	.....	.....	.....	.....	.....	.....	1	0.10	1.21	0.08	55.53	
		Arrah...	0.05	.....	.....	.....	.....	.....	.....	1	0.05	0.11	0.14	60.47	
		Mohania...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	28.30	
	Gya	Aurungabad...	0.59	.....	.....	.....	.....	.....	.....	1	0.59	0.59	0.09	68.07	
		Gya...	0.30	.....	.....	.....	.....	.....	.....	1	0.30	0.30	0.06	67.63	
		Nowadah...	0.83	.....	.....	.....	.....	.....	.....	1	0.83	0.99	0.04	67.25	
		Jehanabad...	0.50	.....	.....	.....	.....	.....	.....	1	0.50	0.64	0.10	65.76	
		Arwal...	0.38	.....	.....	.....	.....	.....	.....	1	0.38	0.38	?	55.20	
		Daudnagar...	0.20	.....	.....	.....	.....	.....	.....	1	0.20	0.20	?	54.61	
		Sherghati...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	61.00	
		Kajauli...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	?	?	
		Pakri Barawan...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	60.49	
	Patna	Patna...	0.02	.....	.....	.....	.....	.....	.....	1	0.02	0.13	0.08	60.37	
		Dinapore...	0.09	.....	.....	.....	.....	.....	.....	1	0.09	0.20	0.14	72.56	
		Behar...	0.48	.....	.....	.....	.....	.....	.....	1	0.48	0.48	0.08	58.46	
		Barro...	0.20	.....	.....	.....	.....	.....	.....	1	0.20	0.20	0.05	52.53	
		Bickram...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
		Hilsa...	0.38	.....	.....	.....	.....	.....	.....	1	0.38	0.46	?	?	
	Monghyr	Bejoomari...	0.62	.....	.....	.....	.....	.....	.....	1	0.62	0.62	0.07	53.68	
		Monghyr...	1.26	.....	.....	.....	.....	.....	.....	1	1.26	1.26	0.1	69.67	
		Jamui...	0.21	.....	.....	.....	.....	.....	.....	1	0.21	0.24	0.11	62.77	
		Gopri...	0.65	.....	.....	.....	.....	.....	.....	1	0.65	0.65	?	55.66	
		Sheikpura...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	63.86	
	South Bhagupore.	Bhagulpore...	0.62	0.21	.....	.....	0.14	.....	.....	3	0.97	0.97	0.36	60.72	
		Bansa...	0.24	.....	.....	.....	.....	.....	.....	1	0.24	0.34	0.20	65.25	
		Koigong...	.....	0.65	.....	.....	1.50	.....	.....	2	2.15	2.15	?	55.08	
	Sonthal Perguntahs.	Rajmehal...	0.27	.....	.....	.....	.....	0.42	.....	1	0.42	0.42	0.42	87.64	
		Godda...	0.40	.....	.....	.....	.....	2.28	.....	2	2.68	2.78	0.13	59.85	
		Pakour...	.....	.....	.....	.....	.....	0.31	.....	1	0.31	1.04	0.11	87.47	
		Nya Doumka...	.....	.....	.....	.....	.....	0.02	.....	1	0.02	0.17	0.48	75.43	
		Deokhur...	.....	.....	.....	.....	.....	0.03	.....	1	0.03	1.34	0.26	63.69	
		Jamtara...	.....	.....	.....	.....	0.05	0.15	0.32	5	0.52	0.91	0.06	70.27	
		Simra...	.....	0.59	.....	.....	0.10	.....	.....	Nil	Nil	0.40	?	?	
		Nanhat...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
CHUTIA NAG PUR.	Hazariabagh	Pachanta...	.....	.....	.....	0.13	.....	.....	.....	1	0.13	0.26	0.13	61.52	
		(Giride)...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.27	0.18	59.07	
		Hazaribagh...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.25	0.02	53.34	
		Semlaguran...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.02	58.50	
		Manudi Hills...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	Nil	62.80	
		Jhoomrah Hills...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.80	?	71.38	
		Barhi...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	69.75	
		Chatra...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	61.82	
		Karagdeha...	.....	.....	.....	.....	.....	0.32	.....	1	0.32	0.32	?	65.00	
		Kamghar...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	
	Lohardugga	Lohardugga...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.21	?	61.40	
		Manchi...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.56	0.37	54.71	
		Pranow...	.....	.....	.....	.....	.....	0.15	.....	1	0.15	0.25	0.19	51.47	
		Silli...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	47.79	
		Balumat...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	51.06	
		Hosseinabad...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.15	?	?	
		Garwah...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	64.48	
	Singbhoom	Chyenassa...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.17	0.31	44.00	
		Chakradhar-pore...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.18	?	57.73	
		Ghatsilla...	0.09	.....	.....	.....	.....	.....	0.32	2	0.41	0.41	?	57.20	
		Baharagura...	.....	.....	.....	.....	.....	0.98	0.08	2	1.06	1.32	?	49.04	
	Manbhoom	Purulia...	.....	.....	.....	.....	.....	0.87	.....	1	0.87	0.87	0.35	47.67	
		Gobindapore...	.....	.....	.....	.....	.....	0.40	.....	1	0.40	1.31	0.23	51.42	
		Kaghunath-pore...	.....	.....	.....	.....	.....	0.13	.....	1	0.13	0.17	?	62.00	
		Barrabhoom...	.....	0.12	.....	.....	.....	0.26	1.15	2	1.53	1.53	?	39.49	
		Jhaida...	.....	.....	.....	.....	.....	.....	.....	?	?	?	?	?	
		Chas...	.....	.....	.....	.....	.....	1.30	.....	1	1.30	1.30	?	61.25	

Explanation.—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 18th April 1887.

SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS  
TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 15TH OF  
APRIL 1887.

THE meteorology of the past week has been marked by excessive pressure, temperature considerably below the average, the prevalence of easterly winds throughout Behar and Bengal, and the occurrence of moderately heavy rain in Behar.

The disturbance which gave rain to the province during the last two or three days of the previous week continued until Saturday evening, on which day rain fell generally in Behar and North Bengal. The barometer, which had risen during the disturbance, then began to fall, at first slowly, until the 12th. During this interval some local storms occurred in different parts of the province, and gave local showers of little importance. The 12th was practically rainless. During this period the winds, instead of returning to their normal direction (west) in Behar, continued to blow steadily from the east, and the air was consequently much damper than is usual in April over the interior of the province. A rapid fall of the barometer commenced on the afternoon of the 12th, and was accompanied by a considerable increase of the southerly winds in the coast districts. This action extended to the interior on the 13th, when the easterly winds in Behar were from two to five times as strong as on the 11th and 12th, and caused slight atmospheric disturbance, which was showed by the occurrence of thunder-storms and nor'-westers on the 14th in the neighbourhood of the hills in North Bengal and Behar, and over the hill districts of the Sonthal Pergunnahs, and the neighbouring districts of South-West Bengal and Chutia Nagpur. The disturbance extended seawards on the 15th, and gave thunder-storms with moderate rain in Orissa and South-West Bengal.

The barometer commenced to rise again on the 14th and was rising slowly at the end of the week.

The prevalence of easterly winds in Behar, and the occurrence of rain in unusual amounts in Behar, reduced the temperature very considerably throughout the province, and the mean temperature was 6° below the average in Central Behar. The reduction of temperature diminished southwards and eastwards, and was least in East Bengal and Orissa, where it slightly exceeded 2°. It appears to be almost certain that the abnormal weather of the present season is chiefly, if not entirely, due to the unusually heavy snowfall during the winter in the Sikkim and Nepaul Himalayas.

*Pressure.*—The barometer fell steadily, but slowly, over the greater part of the province until the 12th. During the next 24 hours pressure decreased briskly, and the southerly winds in the coast districts increased in force. The fall from the 9th to the 13th was least in East Bengal, where it was .07", and greatest in West Bengal and Behar, where it slightly exceeded .14". The barometer rose rather rapidly on the 14th and 15th, and at the end of the week was from .01" to .03" lower than at the beginning of the week.

Pressure was considerably above the average during the week. The mean pressure of the week was .06" in excess for Orissa, .09" over the greater part of South and Central Bengal, .04" in Chutia Nagpur, .05" in South Behar, .09" in Central Behar, and .11" in North Behar. It would hence appear that this feature of excessive pressure was most marked over and near the Himalayan area, and decreased in amount southwards.

*Temperature.*—The past week has been characterised by diminished temperature. Temperature was unusually low at the commencement of the week. It increased steadily until the 13th or 14th, the increase being as marked in the night as in the day temperature, and averaged 4° in Bengal and 6° in Behar. The thunder-storms of the 14th and 15th cooled the air considerably over the whole of the province, excepting East Bengal. The mean daily maximum temperature was 2° below the average in Orissa and East Bengal, 4° in Chutia Nagpur, and from 6° to 9° in Behar and South-West Bengal. The minimum night temperature was from 2½° to 4° below the corresponding normal temperature of the period. The mean temperature of the week was 1.6° in defect in East Bengal, 2.3° in Orissa, 5° in South-West Bengal and North Behar, and 6° in South Behar. Chyebassa and Cuttack were the only stations at which maximum temperatures exceeding 100° were registered during the week. Cuttack registered the highest temperature of the week, viz. 104.4°. The following table gives temperature data of the week for eight representative stations in the different divisions of the province:—

Table showing the excess or defect of the actual temperature from the normal for the week ending 15th April 1887.

	Normal mean maximum temperature for the week ending 15th April 1887.	Actual mean maximum temperature for the week ending 15th April 1887.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 15th April 1887.	Actual mean minimum temperature for the week ending 15th April 1887.	Variation of actual from normal.	Normal mean daily temperature for the week ending 15th April 1887.	Actual mean daily temperature for the week ending 15th April 1887.	Variation of actual from normal.
Cuttack	102.5	100.1	-2.4	77.6	75.0	-2.6	90.1	87.6	-2.5
Calcutta	96.2	89.6	-6.6	75.5	72.0	-3.5	85.9	80.8	-5.1
Burdwan	101.4	93.8	-7.6	75.5	71.5	-4.0	88.5	82.7	-5.8
Dacca	93.5	91.5	-2.0	74.5	72.0	-2.5	84.0	81.7	-2.3
Purneah	98.0	90.8	-7.2	69.2	66.1	-3.1	83.6	78.4	-5.2
Bankipore	101.7	93.1	-8.6	73.5	69.8	-3.7	87.1	81.5	-5.6
Bazaribagh	97.2	93.0	-4.2	71.8	67.6	-4.2	84.5	80.3	-4.2
Barjeeling	62.2	57.3	-4.9	46.7	45.6	-1.1	54.5	51.4	-3.1



**Rainfall.**—The rainfall of the week was above the average in all divisions except East Bengal. The largest amounts were received in Behar and South-West Bengal. It was due in the earlier part of the week to the disturbance of the previous week, which lasted until the evening of the 9th. The second burst of rainfall was due to the disturbance and series of thunder-storms which followed the rapid decline of the barometer on the 13th.

The rainfall of the 9th was confined to Orissa, North Bengal (excepting the districts bordering on East Bengal), North and South Behar, and the Midnapore districts of South-West Bengal; it was heaviest and most general in Behar. South Behar received an average of half an inch on that day. The largest amounts recorded were 1·96 inches at Soopool (Bhagulpore district), and 1·26 inches at Monghyr.

Local showers were received on the 10th in the Hooghly, Bancoora, Pubna, and Bogra districts; on the 11th in Backergunge and Noakholly; on the 13th at a few stations in East Bengal, and near the hills in North Bengal and North Behar.

The rainfall of the 14th was much more general and extended over the Burdwan, Bancoora, Beerbhoom, Nuddea, and Moorshedabad districts of South-West Bengal, the Sonthal Pergunnahs, Manbhoom, the whole of North Behar (excluding Saran) and the greater part of North Bengal. Ramepore Haut recorded the largest fall on this day, 2·59 inches. On the 15th thunder-storms occurred in Orissa, South-West Bengal (excepting Moorshedabad) and the northern districts of North Bengal. Bhuddruck in Orissa received 2·05 inches, the largest amount recorded on that day. The average district rainfall for the week slightly exceeded one inch in the Burdwan, Bancoora, and Beerbhoom districts, where north-westerners occurred with unusual frequency during the week, and in the Darjeeling and Purneah districts. The only districts which received no rain during the week were Chittagong and Singbhoom.

South-West Bengal received an average of eight-tenths of an inch during the week, North Behar seven-tenths, South Behar five-tenths, Orissa and North Bengal four-tenths, East Bengal two-tenths, and Chutia Nagpur one-tenth.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 15th of April 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1886.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	104·4	68·9	90·1	75·9	83·0	-2·3	0·36	0·24	+0·12	1·0	0·6	+0·4	0·36	0·52	63·27	56·17
South-West Bengal	88·5	64·2	91·6	72·1	81·9	-4·9	0·82	0·35	+0·47	1·5	0·6	+0·9	0·96	0·69	61·35	55·07
East Bengal	95·1	65·0	89·6	70·9	80·3	-1·6	0·23	0·65	-0·42	0·7	1·3	-0·6	0·24	1·41	87·40	79·88
North Bengal	96·5	53·8	90·2	67·6	78·9	—	0·41	0·32	+0·09	1·5	0·7	+0·8	0·43	0·75	89·44	71·72
North Behar	98·0	61·1	90·7	67·4	79·1	-4·7	0·70	0·15	+0·55	1·6	0·2	+1·4	0·74	0·25	69·11	48·28
South Behar	99·1	62·9	92·3	70·0	81·1	-5·9	0·54	0·08	+0·46	1·1	0·2	+0·9	0·73	0·15	65·45	43·56
Chutia Nagpur	97·8*	62·8*	93·0*	67·2*	80·1*	-4·2*	0·16	0·10	+0·06	0·4	0·4	-0·0	0·38	0·18	54·46	51·01

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;

The 19th April 1887.

JOHN ELIOT,

Meteorological Reporter to the Govt. of Bengal.



## Results of the Meteorological Observations taken at the Alipore Observatory from 10th to 16th April 1887.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 39° Fahr.	TEMPERATURE.				HYGROMETRY.				Prevailing direction.	Miles recorded.	Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.				
1887.		O		Inches.	O	O		O	O	Inches.	O	%			Inches.	
April	10th	148.7	11.2	29.830	82.6	93.1	21.9	71.2	74.2	0.738	70.1	68	WNW and variable	102	Nil	Partially cloudy
"	11th	147.9	8.7	835	83.1	91.4	15.6	75.6	76.5	826	73.5	74	SE and SSW	98	"	Chiefly cloud t, p.
"	12th	151.0	11.3	805	84.0	93.5	19.1	74.4	77.4	854	74.5	75	SSE and SSW	103	"	Partially cloudy t, p.
"	13th	147.3	11.2	766	83.6	91.7	16.9	74.8	76.8	832	73.7	74	SW and SSW	209	"	Chiefly clear, p.
"	14th	149.5	8.8	804	80.4	90.4	20.2	70.2	73.1	724	69.6	70	SSW and variable	216	0.50	Chiefly cloudy, o, g, p, K
"	15th	148.5	9.5	827	79.8	89.2	20.7	68.5	74.2	776	71.6	77	SSW and variable	98	Nil	Chiefly cloudy, o.
"	16th	146.9	10.4	797	82.0	91.5	20.5	71.0	74.7	766	71.2	72	WSW and SSW	116	"	Chiefly cloudy, o, g, p.

The mean pressure of the seven days

The average pressure of the corresponding period for 24 years, S. G.'s Office

The total number of hours of bright sunshine

The maximum possible number of hours of sunshine

The mean temperature of the seven days

The average temperature of the corresponding period for 24 years, S. G.'s Office

The extreme variation of temperature

The maximum temperature

The highest velocity of the wind in one hour

The highest pressure of wind on one square foot

The mean relative humidity

The average relative humidity of the corresponding period for 24 years, S. G.'s Office

The total fall of rain from 10th to 16th April 1887

The average fall of the corresponding period for 24 years, S. G.'s Office

The total fall from 1st January to 16th April 1887

The average fall of the corresponding period for 24 years, S. G.'s Office

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, p passing temporary showers, t thunder, d dew, K thunderstorm.

HENRY F. BLANFORD,

Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;  
Calcutta, the 18th April 1887.

Results of the Thermometrical Observations taken at the Meteorological Office,  
Chowringhee, from 10th to 16th April 1887.

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°	°	°	°	Inches.	°	%	Inches
April	10th	82.1	95.9	24.1	71.8	73.7	.719	69.4	65	
"	11th	83.9	95.0	19.1	75.9	75.8	.784	71.9	68	
"	12th	84.2	96.0	20.2	75.8	77.0	.832	73.7	71	
"	13th	84.2	94.8	19.2	75.6	78.1	.881	75.4	75	
"	14th	80.5	93.3	22.5	70.8	74.6	.778	71.7	74	
"	15th	79.2	91.8	23.0	68.8	74.1	.776	71.6	78	0.22
"	16th	82.0	94.8	23.0	71.8	75.1	.779	71.7	71	

The mean temperature of the seven days ... 82.3  
 The extreme variation of temperature ... 27.2  
 The maximum temperature ... 96.0

The mean relative humidity ... 72  
 Inch.

The total fall of rain from 10th to 16th April 1887 ... 0.22

The mean temperature and humidity are obtained by applying to the mean of the 10th, 15th, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;  
 The 18th April 1887.

HENRY F. BLANFORD,  
 Meteorological Reporter to the Govt. of India.

## MEMORANDUM.

THE returns from the principal Municipalities in Bengal (excepting Bhagulpore, from which no return was received up to date), for the week ending 2nd April 1887, present the following results:—

1. That the birth-rate in these Municipalities amounted to 17·8 per 1,000 of population against 18·8 per 1,000 during the preceding week ending 26th March, indicating a retrogression in the registration of births, and the death-rate to 28·7 per 1,000 against very nearly the same proportion, viz. 28·3 per 1,000.

2. That the following Municipalities furnished the highest proportions of births and deaths:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Chittagong	...	35·2	Gya	...	90·9
Durbhanga	...	33·0	Suburbs of Calcutta	...	50·7
Comillah	...	30·8	Utterpara	...	47·2
Monghyr	...	29·8	Serampore	...	43·2
Gya	...	29·4	Durbhanga	...	29·1

3. That the mortality from the several death-causes was as follows, in comparison with that in the preceding week:—

					Ratio per mille during the weeks ending—	
					2nd April 1887.	26th March 1887.
Cholera	...	...	...	...	11·7	8·5
Small-pox	...	...	...	...	·2	·04
Fever	...	...	...	...	8·6	9·9
Bowel-complaints	...	...	...	...	2·0	2·8
Injury	...	...	...	...	·5	·4
Other causes	...	...	...	...	5·6	6·6

The above figures indicate that there was a considerable enhancement in the death-rate from cholera, with a sensible diminution in those from fever, bowel-complaints, and the maladies classed under the head of "Other causes."

4. That while bowel-complaints and injury were nowhere noticeably severe, and small-pox proved conspicuously fatal in the Gya town, viz., at 2·7 per 1,000 of population, and fever in the Beaulah Municipality, viz., at 26·3 per 1,000 of population, cholera and "other causes" caused the highest mortality in the following Municipalities:—

Cholera.			Other causes.		
		Ratio per mille.			Ratio per mille.
Gya	...	59·4	Serampore	...	13·7
Utterpara	...	37·7	Gya	...	13·0
Suburbs of Calcutta	...	25·2			
Serampore	...	13·7			
Durbhanga	...	11·0			
Puri	...	10·5			
Hughli	...	8·0			
Howrah	...	6·3			
Burdwan	...	6·1			
Patna	...	4·2			

5. That the death-rates in relation to Sex, Class and Age stood as follows:—

According to Sex.			According to Class.			According to Age.		
		Ratio per mille.			Ratio per mille.			Ratio per mille.
Males	...	33·5	Christians	...	44·9	Under 1 year	...	110·3
Females	...	23·3	Hindus	...	29·8	1 and under 5 years	...	31·9
Ratio of male deaths to every 100 female deaths	163		Mahomedans	...	25·9	5 " " 10 "	...	20·4
						10 " " 15 "	...	12·0
						15 " " 20 "	...	21·3
						20 " " 30 "	...	20·2
						30 " " 40 "	...	22·3
						40 " " 50 "	...	27·0
						50 " " 60 "	...	52·0
						60 years and upwards	...	60·9

R. LIDDERDALE, M.D., Deputy Surgeon-General,

The 18th April 1887.

Sanitary Commissioner for Bengal.





Districts.	Names of Municipalities.	Deaths among—				Ratio per 1,000 of population per annum.				Deaths.												Ratio per 1,000 of population per annum.											
		Class.				Age.				Mortality according to—												Age.											
		Deaths among—				Ratio per 1,000 of population per annum.				Deaths.												Ratio per 1,000 of population per annum.											
		Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and up.												
Burdwan	Burdwan	9	19.8	20.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Midnapore	Midnapore	4	8.0	28.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Hughli	Hughli and Chinsurah	10	18.4	38.1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Serampore	Serampore	22	45.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
	Utterpara	5	48.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Howrah	Howrah	20	27.5	17.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
	Bali	6	23.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
24 Pargunnahs	Suburbs of Calcutta	6	77.1	46.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
	Kishinagar	5	14.0	12.6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Nadua	Ranighat	2	14.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
	Santipore	3	7.5	17.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Jessore	Jessore	1	11.5	40.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Rajshahye	Rampore Beaulah	5	29.2	26.5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Darjiling	Darjiling	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Dacca	Dacca	12	15.5	11.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
	Narainganj	4	32.9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Chittagong	Chittagong	3	28.9	17.0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Tipperah	Comillah	1	8.7	42.2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Patna	Patna City	53	22.2	6.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Gya	Gya	131	104.8	33.8	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Shahabad	Arrah	1	1.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Monruperore	Monruperore	5	8.7	16.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Durbhanga	Durbhanga	19	20.4	53.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Saran	Chupra	7	48.0	8.9	4.3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Bhagulpore	Bhagulpore	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Monghyr	Monghyr	2	437.0	12.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Purneah	Purneah	4	22.7	36.7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
Poori	Poori	12	25.4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...												
TOTAL	TOTAL	16	44.9	29.8	22.9	62	64	49	25	39	101	94	80	91	90	110.3	31.9	26.4	12.0	91.3	20.2												
																</																	

R. LIDDERDALE, M.D., *Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.*

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,  
The 18th April 1887.





CIRCULAR AND EASTERN CANALS.

*Approximate return of traffic for the week ending Saturday, the 9th April 1887, compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 9TH APRIL 1887.			WEEK ENDING SATURDAY, THE 10TH APRIL 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	528	1,81,455	3,253	493	99,675	1,848
Jute ...	59	45,250	795	19	11,050	196
Firewood ...	202	1,13,950	1,439	182	67,105	994
Other articles ...	926	2,40,255	3,573	926	2,84,715	4,111
Total ...	1,715	5,80,910	9,060	1,530	4,62,545	7,149

CIRCULAR AND EASTERN CANALS.

*Approximate return of traffic for the week ending Saturday, the 16th April 1887, compared with the corresponding week of the previous year.*

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 16TH APRIL 1887.			WEEK ENDING SATURDAY, THE 17TH APRIL 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	319	1,00,490	1,703	184	55,623	1,014
Jute ...	18	7,150	122	4	3,300	68
Firewood ...	165	87,360	1,374	103	56,950	815
Other articles ...	573	1,47,777	2,277	547	1,42,085	2,171
Total ...	1,075	3,42,777	5,476	838	2,57,958	4,068

## Eastern Bengal State Railway.

Abstract of principal commodities carried over the Eastern Bengal State Railway during the month of February 1887 as compared with the same month of the previous year.

STAPLES.	1887.		1886.		TOTAL.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1887.	1886.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Betelnuts ... ..	10	459	40	125	478	165	313	...
Coal and coke ... ..	2,625	1,834	4,223	1,767	4,529	5,990	...	1,461
Cotton, raw ... ..	...	77	65	114	77	179	...	102
Cotton, manufactured—								
1.—Twist and yarn (European) ... ..	1,944	228	4,702	199	2,172	1,991	181	...
2.—Ditto do. (Indian) ... ..								
3.—Piece-goods (European) ... ..								
4.—Ditto do. (Indian) ... ..								
Fibrous Products—								
1.—Jute (screwed) ... ..	4	2,432	...	1,889	2,432	1,889	543	...
2.—Jute (unscrewed) ... ..	...	19,491	...	13,258	19,495	13,258	6,237	...
3.—Jute manufactures (gunny-bags and cloths) ... ..	121	979	159	785	1,100	954	146	...
Grain and Pulse—								
1.—Grain and pulse ... ..	888	2,992	443	2,713	3,880	3,186	694	...
2.—Rice, husked ... ..	574	2,720	662	8,618	3,303	9,280	...	5,977
Hides and Skins—								
1.—Hides of cattle ... ..	15	658	21	967	673	958	...	313
2.—Skins of sheep, goats and small animals ... ..	...	...	...	...	...	...	...	...
Metals and manufactures of—								
1.—Brass and copper ... ..	957	145	1,282	126	1,102	1,408	...	306
2.—Iron ... ..								
3.—Other metals ... ..								
Oils ... ..	174	8	269	25	182	294	...	112
Kerosine oil ... ..	192	...	...	...	192	...	192	...
Provisions—								
1.—Ghee ... ..	330	259	424	159	559	583	...	24
2.—Other kinds ... ..								
Railway materials ... ..	1,114	851	2,241	3,466	1,965	5,747	...	3,782
Salt ... ..	2,201	9	2,141	7	2,210	2,148	62	...
Seeds—								
1.—Oilseeds—								
a.—Linseed ... ..	591	89	86	892	680	976	...	296
b.—Mustard and rape ... ..								
c.—Til or gingelly ... ..								
d.—Other oilseeds ... ..								
Sugar—								
1.—Refined ... ..	576	1,323	480	1,533	1,798	2,033	...	235
2.—Unrefined ... ..								
Tea—								
1.—Indian ... ..	...	172	...	43	179	43	129	...
2.—Foreign ... ..								
Tobacco ... ..	53	655	31	632	768	663	45	...
Wood—								
1.—Timber ... ..	2,087	50	1,733	49	2,137	1,782	355	...
2.—Firewood ... ..								
All other articles of merchandise—								
1.—Unmanufactured ... ..	2,671	854	3,578	760	3,525	4,333	...	808
2.—Manufactured ... ..								
Hay, straw, wool (C. & S. E. Section) ... ..	576	...	693	...	576	693	...	117
Total ... ..	17,782	56,163	29,398	38,187	53,945	58,585	8,897	13,537

## INCREASES.

Betelnuts ... ..	313 tons.
For British Burmah. ... ..	...
Grain and pulse ... ..	694 tons.
Crops good in this district. ... ..	...
Jute ... ..	6,770 tons.
Chiefly from Northern Bengal State Railway. ... ..	...
Wood ... ..	355 tons.
Ordinary fluctuations. ... ..	...

## DECREASES.

Coal and coke ... ..	1,461 tons.
The principal traffic under this head is on account of the railway and steamer services. Despatches of coal are made as requirements arise, and fluctuations therein are not subject to market influences.	
Rice ... ..	1,461 tons.
The rice market at the port is in a depressed condition; very low rates prevailing.	
Hides ... ..	315 tons.
Decrease due to ordinary fluctuation.	
Metals ... ..	...
Ordinary fluctuations.	
Railway materials ... ..	...
The decrease is due to the completion of the Assam-Bihar State Railway, and of the doubling of the line between Calcutta and Naihati.	
Oilseeds ... ..	398 tons.
Ordinary fluctuation.	
Sugar ... ..	...
Low prices prevail.	

CALCUTTA, the 15th April 1887.

F. P. QUINLAN, Examiner of Accounts.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 9th April 1887, on 1,519 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	244,005	2,97,893 1 0	26,14,667 0	6,69,444 10 9	17,914 2 0	9,85,256 13 9	68,708½	107,419	176,127½
Or per mile of railway ...	.....	196 1 10	.....	449 11 5	11 12 8	648 9 11	.....	.....	.....
For previous 13 weeks of half-year ...	3,324,743	38,90,276 6 0	3,41,35,621 0	89,33,834 0 10	2,40,384 12 9	1,30,64,425 3 7	894,397½	1,453,540	2,347,937½
Total for 14 weeks ...	3,568,748	41,88,174 7 0	3,70,50,288 0	96,03,278 11 7	2,58,298 14 9	1,40,49,752 1 4	963,100	1,560,959	2,524,059
COMPARISON.									
Total for corresponding week of previous year ...	246,337	3,07,848 9 1	23,59,985 0	7,03,208 5 0	22,631 4 7	10,33,088 3 5	65,640	117,333	182,973
Per mile of railway corresponding week of previous year ...	.....	203 3 2	.....	464 2 8	14 8 8	681 14 6	.....	.....	.....
Total to corresponding date of previous year ...	3,361,597	40,85,235 9 8	3,91,15,626 20	94,86,942 1 0	3,07,297 5 3	1,38,79,474 15 11	962,342	1,505,746	2,558,088

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 9TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
1,515	16,33,088	682	1,519	9,85,257	649	1,515	14,66,896	968	1,519	12,87,918	848	.....	1,78,978

## PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 9th April 1887, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	11,726	6,624 13 0	78,538 30	4,288 6 0	54 4 0	10,967 7 0	1,871	1,329	3,200
Or per mile of railway ...	205	115 13 1	1,373 10	74 15 7	0 15 2	191 11 10	.....	.....	.....
For previous 13 weeks of half-year ...	179,900*	99,362 10 0	6,75,196 20	40,929 8 9	753 0 6	1,41,945 3 3	22,577	11,418	33,995
Total for 14 weeks ...	191,626	1,05,987 7 0	7,53,735 10	45,217 14 9	897 4 6	1,52,912 19 3	24,448	12,747	37,195
COMPARISON.									
Total for corresponding week of previous year ...	16,107	9,378 15 8	64,928 30	5,592 4 0	43 2 3	15,014 3 11	1,562	832	2,394
Per mile of railway corresponding week of previous year ...	282	163 15 5	1,135 10	97 12 3	0 12 1	262 7 9	.....	.....	.....
Total to corresponding date of previous year ...	189,757	1,05,233 9 8	7,25,225 10	49,062 0 0	789 10 6	1,55,085 4 2	23,091	11,542	36,633

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 9TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
57½	15,914	262	57½	10,967	192	57½	21,685	379	57½	14,869	260	.....	6,816



## DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 9th April 1887, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,726	458 2 0	18,814 20	416 1 0	7 0 0	881 3 0	343½	150	493½
Or per mile of railway ...	.....	38 2 10	.....	34 10 9	0 9 4	73 6 11	.....	.....	.....
For previous 13 weeks of half-year ...	36,815	6,379 3 0	2,02,654 30	6,497 5 0	78 4 3	12,864 12 3	4,494	1,992	6,486
Total for 14 weeks ...	39,541	6,837 5 0	2,81,469 10	6,823 6 0	85 4 3	13,745 15 3	4,837½	2,142	6,979½
COMPARISON.									
Total for corresponding week of previous year ...	3,268½	553 8 4	19,137 10	409 9 0	81 4 9	1,044 6 1	297	196	493
Per mile of railway corresponding week of previous year ...	.....	46 2 0	.....	34 2 1	6 12 5	87 0 6	.....	.....	.....
Total to corresponding date of previous year ...	36,297½	6,191 15 10	5,29,158 30	7,663 13 0	526 13 0	13,782 9 10	2,773	4,416	7,289½

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 9TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
12	1,044	87	12	881	73	12	1,545	129	12	1,158	97	.....	387

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 9th April 1887, on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	MDS. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	5,799	4,692 13 0	95,588 20	3,649 5 0	85 0 0	8,327 2 0	740½	1,070½	1,811½
Or per mile of railway ...	.....	62 11 10	.....	48 12 7	1 2 2	112 10 7	.....	.....	.....
For previous 13 weeks of half-year ...	74,852	57,242 15 0	13,36,742 20	64,928 11 0	1,245 7 9	1,23,417 1 9	9,946½	15,867	25,813½
Total for 14 weeks ...	80,651	61,935 12 0	14,52,331 0	68,578 0 0	1,359 7 9	1,31,844 3 9	10,687	16,940½	27,627½
COMPARISON.									
Total for corresponding week of previous year ...	4,756½	3,694 9 4	1,30,723 10	3,489 14 0	90 4 6	7,274 11 10	645	1,536	2,181
Per mile of railway corresponding week of previous year ...	.....	49 6 3	.....	46 10 6	1 3 4	97 4 1	.....	.....	.....
Total to corresponding date of previous year ...	79,816	65,141 9 2	11,92,414 0	59,637 2 0	1,566 3 0	1,17,844 14 2	18,675	16,057	34,732

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 9TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
74½	7,335	97	74½	8,427	113	74½	10,557	141	74½	10,909	146	572	.....

## TARKESSUR BRANCH RAILWAY.

Approximate Return of Traffic for week ended 9th April 1887, on 22½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	22,492	6,809 11 0	10,171 30	388 13 0	8 0 0	7,206 8 0	914	54	968
Or per mile of railway...	.....	306 0 10	.....	17 7 7	0 5 9	323 14 2	.....	.....	.....
For previous 13 weeks of half-year...	250,416	70,264 11 0	1,14,654 30	3,748 4 0	85 3 3	74,098 2 3	12,527	525	13,052
Total for 14 weeks...	281,908	77,074 6 0	1,24,826 20	4,137 1 0	93 3 3	81,804 10 3	13,441	579	14,020
COMPARISON.									
Total for corresponding week of previous year...	23,966½	6,811 5 7	10,154 20	364 2 0	5 15 9	7,181 7 4	917	61	968
Or per mile of railway corresponding week of previous year...	.....	306 2 0	.....	16 5 10	0 4 4	322 12 2	.....	.....	.....
Total to corresponding date of previous year...	288,601	76,282 6 7	1,72,192 30	5,774 10 0	85 5 2	82,142 5 9	14,672	2,132	16,804

Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 9TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.
21½	7,181	323	22½	7,207	324	22½	9,843	442	22½	8,851	398	.....	992

## INDIAN MIDLAND RAILWAY.

Approximate Return of Traffic for week ended 9th April 1887, on 42 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	2,764	1,363 13 9	10,075 20	1,330 10 0	30 9 0	2,734 0 9	173	415	588
Or per mile of railway...	.....	32 7 7	.....	31 10 11	0 15 1	65 1 7	.....	.....	.....
For previous 13 weeks of half-year...	32,992	15,521 13 9	6,87,688 10	45,388 10 0	427 9 9	61,338 0 6	2,698	8,102	10,710
Total for 14 weeks...	35,696	16,885 10 6	7,06,763 30	46,719 4 0	467 2 9	64,072 1 3	2,781	8,517	11,298
COMPARISON.									
Total for corresponding week of previous year...	1,808½	855 7 9	20,373 20	2,212 5 0	16 10 9	3,084 7 6	213	375	588
Or per mile of railway corresponding week of previous year...	.....	20 5 11	.....	52 10 9	0 6 4	73 7 0	.....	.....	.....
Total to corresponding date of previous year...	2,436	1,158 13 0	25,006 20	2,569 2 0	26 13 9	3,754 12 9	465	375	840

Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 9TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		
42	3,084	73	42	2,734	65	42	3,755	89	42	3,983	95	228	.....

## EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for last 5 days of March 1887, on 234 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated), including steam boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for last 5 days ...	91,660†	30,135 0 0†	(a) 4,19,944 0	(a) 35,036 0 0	10,650 0 0	75,221 0 0	8,172	(a) 11,255	19,227
Or per mile of railway ...	389	129 0 0	1,794 0	150 0 0	.....	270 0 0	.....	.....	.....
For previous 12 weeks of half-year ...	1,248,016	5,38,873 0 0	41,98,240 0	6,55,572 0 0	74,303 0 0	12,68,748 0 0*	145,821	116,611	262,432
Total for 13 weeks ...	1,339,076	5,69,008 0 0	46,18,184 0	6,90,608 0 0	84,353 0 0	13,43,999 0 0	155,993	127,966	283,959
COMPARISON.									
Total for corresponding 7 days of previous year (audited) ...	81,781	38,276 0 0	(b) 4,95,696 0	38,401 0 0	8,509 0 0	85,486 0 0	11,214	(b) 11,422	22,636
Per mile of railway corresponding period of previous year ...	349	164 0 0	2,120 0	164 0 0	.....	328 0 0	.....	.....	.....
Total to corresponding date of previous year ...	1,278,524	5,30,374 0 0	54,06,761 0	6,32,868 0 0	74,477 0 0	12,37,719 0 0	146,816	132,931	279,747

\* Audited up to week ending 12th February 1887.

† Includes 24,210 monthly tickets.

(a) Ditto 2,00,000 maunds, Rs. 7,000 and 5,962 miles for ballast trains.

(b) Ditto 196,666 ditto and 3,402 miles for ballast trains.

Decrease in receipts is due to five days' traffic on y included in this return owing to amalgamation of the two railways.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR LAST 4 DAYS OF MARCH 1886.			RECEIPTS FOR LAST 5 DAYS OF MARCH 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
234	48,848	209	234	75,221	321	234	45,66,883	19,517	234	55,54,247*	22,881	7,87,364	.....

\* Audited up to week ending 12th February 1887.

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for last 5 days of March 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for last 5 days ...	22,399	6,542 0 0	40,386 0	2,044 0 0	30 0 0	8,616 0 0	2,464	1,206	3,670
Or per mile of railway ...	179	52 0 0	323 0	17 0 0	.....	69 0 0	.....	.....	.....
For previous 12 weeks of half-year ...	297,045	1,11,581 0 0	3,83,654 0	25,539 0 0	541 0 0	1,37,661 0 0*	46,305	17,339	63,644
Total for 12 weeks and 5 days ...	519,444	1,18,123 0 0	4,24,039 0	27,583 0 0	571 0 0	1,46,277 0 0	48,772	18,545	67,317
COMPARISON.									
Total for corresponding 7 days of previous year ...	23,402	3,793 0 0	50,011 0	2,803 0 0	30 0 0	11,626 0 0	3,802	1,408	5,210
Per mile of railway corresponding period of previous year ...	187	70 0 0	400 0	23 0 0	.....	93 0 0	.....	.....	.....
Total to corresponding date of previous year ...	329,170	1,15,092 0 0	5,16,361 0	27,891 0 0	332 0 0	1,43,335 0 0	51,380	18,010	69,390

\* Audited up to week ending 22nd January 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Bengal Central Railway.

RECEIPTS FOR LAST 4 DAYS OF MARCH 1886.			RECEIPTS FOR LAST 5 DAYS OF MARCH 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
125	6,644	53	125	8,616	69	125	6,36,391	4,291	125	5,74,411*	4,695	38,020	.....

\* Audited up to week ending 22nd January 1887.



## EASTERN BENGAL STATE RAILWAY.

Approximate Return of Traffic for the first 9 days of April 1887, on 645\* miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated). including Steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for first 9 days ...	169,156	(a) 89,480 0 0	578,944 0	71,940 0 0	13,600 0 0	1,78,020 0 0	24,794	19,207	44,001
per mile of railway ...	262	139 0 0	890 0	116 0 0	.....	235 0 0	.....	.....	.....
for previous 13 weeks of half-year ...	1,793,092	8,35,693 0 0	6,834,156 0	10,62,668 0 0	1,67,132 0 0	20,63,513 0 0	250,328	262,893	513,221
Total for 14 weeks ...	1,962,248	9,23,173 0 0	7,408,100 0	11,37,628 0 0	1,80,732 0 0	22,41,513 0 0	275,122	282,109	557,232
COMPARISON.									
Total for corresponding week of previous year ...	121,067	59,550 0 0	4,75,546 0	59,840 0 0	10,731 0 0	1,30,121 0 0	17,681	20,111	37,732
per mile of railway corresponding period of previous year ...	200	98 0 0	785 0	99 0 0	.....	197 0 0	.....	.....	.....
Total to corresponding date of previous year ...	1,824,223	8,40,228 0 0	66,98,958 0	11,34,652 0 0	1,81,290 0 0	21,56,170 0 0	244,013	314,373	558,386

(a) Increase due to fish ...

\* Increase of 39 miles as compared with the last year is due to the opening of the Assam-Bihar Railway on 1st April 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR FIRST 9 DAYS OF APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
1,30,121	215	645	1,78,020	276	666	1,87,323	309	645	1,78,020	276	.....	.....	9,363

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for first 9 days of April 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for first 9 days of April ...	29,148	10,790 0 0	58,217 0	3,363 0 0	59 0 0	14,208 0 0	4,863	1,830	6,693
per mile of railway ...	233	86 0 0	466 0	27 0 0	.....	113 0 0	.....	.....	.....
for previous 13 weeks of half-year ...	319,444	1,18,123 0 0	4,24,639 0	27,583 0 0	571 0 0	*1,43,277 0 0	48,772	18,545	67,317
Total for 14 weeks ...	348,592	1,28,913 0 0	4,82,256 0	30,951 0 0	631 0 0	1,60,485 0 0	53,638	20,375	74,013
COMPARISON.									
Total for corresponding week of previous year ...	24,216	8,367 0 0	46,567 0	2,535 0 0	60 0 0	10,963 0 0	3,838	1,830	5,168
per mile of railway corresponding period of previous year ...	194	67 0 0	373 0	20 0 0	.....	87 0 0	.....	.....	.....
Total to corresponding date of previous year ...	344,386	1,23,439 0 0	5,56,928 0	30,427 0 0	412 0 0	1,54,298 0 0	55,218	19,340	74,558

\* Audited up to the week ending 22nd January 1887.

## FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR FIRST 9 DAYS OF APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 9TH APRIL 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.		
Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	
10,963	88	125	14,208	114	125	15,945	128	125	14,208	114	.....	.....	1,737

## DACCA STATE RAILWAY.

Approximate Return of Traffic for last 5 days of March 1887, on 86 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the last 5 days ...	12,337	4,685 0 0	(a) 42,100 0	(a) 1,750 0 0	65 0 0	6,500 0 0	1,577	(a) 3,202	4,829
Or per mile of railway ...	143	55 0 0	490 0	20 0 0	.....	75 0 0	.....	.....	.....
For previous 12 weeks of half-year ...	154,570	54,187 0 0	2,20,195 0 0	21,817 0 0	1,416 0 0	* 77,420 0 0	27,073	11,811	38,884
Total for 13 weeks ...	166,907	58,872 0 0	2,62,295 0 0	23,567 0 0	1,481 0 0	83,920 0 0	28,650	15,073	43,723
COMPARISON.									
Total for corresponding 7 days of previous year (audited) ...	10,188	3,181 0 0	4,787 0	519 0 0	78 0 0	3,778 0 0	934	(b) 1,726	2,664
Per mile of railway corresponding period of previous year ...	118	37 0 0	56 0	6 0 0	.....	43 0 0	.....	.....	.....
Total to corresponding date of previous year ...	122,096	33,153 0 0	1,91,322 0	20,054 0 0	3,713 0 0	56,920 0 0	10,198	23,590	33,758

\* Audited up to week ending 29th January 1887.  
 (a) Includes 40,000 maunds at Rs. 1,500, and 2,889 miles of ballast train.  
 (b) Includes 1,324 miles for ballast train.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Dacca State Railway.

RECEIPTS FOR LAST 4 DAYS OF MARCH 1886.			RECEIPTS FOR LAST 5 DAYS OF MARCH 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
86	2,160	25	86	6,500	76	67	1,50,904	38	86	2,81,240*	63	1,50,336	.....

\* Audited up to week ending 29th January 1887.

## KAUNIA AND DHARILA STATE RAILWAY.

Approximate Return of Traffic for last 5 days of March 1887, on 37 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for last 5 days ...	1,617	632 0 0	4,378 0	281 0 0	1,036 0 0	1,949 0 0	259	250	518
Or per mile of railway ...	44	17 0 0	118 0	8 0 0	.....	25 0 0	7	7	14
For previous 12 weeks of half-year ...	28,507	11,550 0 0	94,975 0	4,780 0 0	20,751 0 0	37,081 0 0*	3,184	3,793	6,977
Total for 13 weeks ...	30,124	12,182 0 0	99,353 0	5,061 0 0	21,787 0 0	39,030 0 0	3,447	4,052	7,499
COMPARISON.									
Total for corresponding 7 days of previous year ...	1,636	752 0 0	1,227 0	110 0 0	1,159 0 0	2,021 0 0	259	250	518
Per mile of railway corresponding week of previous year ...	44	20 0 0	33 0	3 0 0	.....	23 0 0	7	7	14
Total to corresponding date of previous year ...	29,592	12,708 0 0	30,395 0	2,546 0 0	21,814 0 0	37,068 0 0	3,446	3,446	6,892

\* Audited up to week ending 12th February 1887.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Kaunia and Dharila State Railway.

RECEIPTS FOR LAST 4 DAYS OF MARCH 1886.			RECEIPTS FOR LAST 5 DAYS OF MARCH 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1885 TO 31ST MARCH 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
37	1,146	31	37	1,949	53	37	1,30,925	68	37	1,35,067*	79	4,142	.....

\* Audited up to week ending 12th February 1887.



## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 9th April 1887, on 246 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	38,210	13,432 0 0	1,55,360 0	15,121 0 0	2,334 0 0	31,407 0 0	5,259	6,180	11,439
Or per mile of railway ...	155	54 10 0	632 0	61 7 0	3 0 0	119 1 0*	.....	.....	.....
For previous 13 weeks of half-year ...	492,207	1,94,462 0 0	21,28,691 0	2,12,852 0 0	41,464 0 0	4,48,778 0 0	73,671	74,584	1,48,255
Total for 14 weeks ...	530,417	2,07,904 0 0	22,83,451 0	2,27,973 0 0	44,398 0 0	4,80,276 0 0	78,921	80,764	159,685
COMPARISON.									
Total for corresponding week of previous year ...	36,194	12,865 10 6	1,17,395 0	12,914 7 0	3,858 8 7	29,138 10 1	4,451	4,831	9,282
Or per mile of railway corresponding week of previous year ...	147	50 4 0	477 0	52 8 0	4 10 0	107 6 0*	.....	.....	.....
Total to corresponding date of previous year ...	482,673	1,70,019 12 10	17,38,592 0	1,75,413 1 3	39,984 12 11	3,85,417 11 0	69,881	67,293	128,084

\* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 9TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
246	29,139	118	246	31,407	128	246	55,548	226	246	67,578	275	12,030	.....

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 9th April 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,093½	1,038 13 7	10,625 0	677 13 0	14 14 0	1,731 8 7	509	254	763
Or per mile of railway ...	99	38 2 0	320 0	24 14 0	0 9 0	63 9 0	.....	.....	.....
For previous 13 weeks of half-year ...	40,319½	15,147 2 5	1,93,162 0	10,650 3 0	280 2 0	26,107 7 5	6,689	4,971	11,660
Total for 14 weeks ...	43,013	16,186 0 0	2,04,087 0	11,558 0 0	295 0 0	27,639 0 0	7,198	5,225	12,423
COMPARISON.									
Total for corresponding week of previous year ...	2,374½	976 15 0	7,184 20	694 3 0	35 6 6	1,614 8 6	509	254	763
Or per mile of railway corresponding week of previous year ...	87	35 14 0	263 0	23 3 0	1 3 0	59 4 0	.....	.....	.....
Total to corresponding date of previous year ...	37,620	14,618 15 0	1,29,884 0	9,986 13 6	294 13 0	24,600 9 6	7,271	3,847	11,118

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 10TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 9TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 10TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 9TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
27½	1,615	59	27½	1,732	64	27½	3,444	126	27½	3,854	141	410	.....



## NORTHERN BENGAL STATE RAILWAY.

*Approximate Return of Traffic for last 5 days of March 1887, on 249 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for last 5 days ...	13,146	11,370 0 0 (a)	1,30,681 0	21,990 0 0 (b)	6,800 0 0	40,169 0 0	3,580	5,838	9,418
Or per mile of railway ...	61	46 0 0	525 0	88 0 0	.....	154 0 0	14	23	37
For previous 12 weeks of half-year ...	241,830	1,82,261 0 0	17,23,643 0	3,21,462 0 0	52,711 0 0	5,56,434 0 0*	60,662	100,964	170,626
Total for 13 weeks ...	256,085	1,93,631 0 0	18,54,324 0	3,43,452 0 0	59,511 0 0	5,96,594 0 0	64,242	115,802	180,044
COMPARISON.									
Total for corresponding 7 days of previous year ...	23,302	17,357 14 11	1,32,066 0	20,794 11 0	4,013 14 11	42,166 8 10	5,012	7,904	12,916
Per mile of railway corresponding week of previous year ...	93	69 11 4	530 0	83 8 2	.....	153 3 6	20	32	52
Total to corresponding date of previous year ...	272,044	2,04,442 14 8	25,88,935 0	4,19,344 7 0	70,535 7 11	6,94,342 13 7	65,872	134,325	200,197

\* Audited up to week ending 12th February 1887.

(a) Decrease due to the traffic for 5 days of March only included in this Return owing to the amalgamation of the two railways.

(b) Includes Rs. 7,000, on account of ballast grain.

## FINANCIAL YEAR.

*Approximate Statement of gross receipts of the Northern Bengal State Railway.*

RECEIPTS FOR LAST 4 DAYS OF MARCH 1886.			RECEIPTS FOR LAST 5 DAYS OF MARCH 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 31ST MARCH 1887.			Total increase in 1886-87.	Total decrease in 1886-87.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
249	24,094	97	249	40,169	161	249	23,43,130	181	249	26,08,030*	202	2,64,900	.....

\* Audited up to week ending 12th February 1887.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, APRIL 27, 1887.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

### CONTENTS.

	Page.		Page.
REPORT of the Calcutta Court of Small Causes for the year 1886	743	RESULTS of the Thermometrical Observations taken at the Meteorological Office, Chowringhee, from 17th to 23rd April 1887	772
Proceedings of the Meeting of the Muhammadan Educational Endowments Committee	746	Statement showing the results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 9th April 1887	773
Appointment of Ministerial Officers in the Patna Division	756	Statement showing heights over mean sea-level and low water in the Rivers Ganges, Bhagiruthi, Jellinghee, and Brahmapootra for the month of March 1887	776
The Embankment Reports for 1885-86	758	Orissa Circle—Taldandah Canal System for the month of February 1887	777
Rainfall, Weather, and State and Prospects of the Crops	760	Circular and Eastern Canals for the week ending 23rd April 1887	788
Statement showing the Quantities of the Principal Staples of traffic imported and exported into Calcutta from the Interior during the month of December 1886	762	Dacca State Railway	ib.
Meteorological Report of the Province of Bengal for the week ending Friday, the 22nd April 1887	764	Bengal Central Railway	789
Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 22nd of April 1887	766	Nalhati State Railway	790
Results of the Meteorological Observations taken at the Alipore Observatory from 17th to 23rd April 1887	771	Weekly Return of Traffic Receipts on Indian Railways	791

### REPORT OF THE CALCUTTA COURT OF SMALL CAUSES FOR THE YEAR 1886.

#### RESOLUTION.

##### JUDICIAL.

*Dated Calcutta, the 25th April 1887.*

#### READ—

The Report from the Judges of the Court of Small Causes, Calcutta, for the year 1886.

#### Read also—

The Report for the year 1885, and the orders of Government thereon.

The Report is accompanied, as usual, by a copy of the Judges' report to the High Court, and by the two sets of tabular statements—one for the information of the Local Government, the other for the High Court. The Judges complain of the imposition on them of this double burden, urging that only one set of returns is required from the Bombay Small Cause Court, and from every other Court in Bengal but their own. The forms of the returns submitted to the Local Government were prescribed by the Government of India, and cannot be altered for Bengal alone without sacrifice of uniformity in the reports from all three Presidencies. The question whether one set of returns will not suffice for both purposes rests with the Supreme Government and the High Court, and is not within the Lieutenant-Governor's competence to decide.

2. The number of cases for disposal, the number disposed of, and the manner in which they were dealt with, are shown in the following

statement, the figures of 1886 being compared with those for the two previous years :—

	1886.	1885.	1884.
Pending from the previous year ...	3,291	2,664	1,801
Instituted during the year (including revivals) ...	29,513	31,002	31,074
	<u>32,804</u>	<u>33,666</u>	<u>32,875</u>
Decreed in favour of plaintiff after contest ...	4,418	4,003	4,076
Decreed in favour of plaintiff without contest ...	9,820	10,273	9,450
Dismissed after trial ...	1,352	1,202	1,312
Non-suited or withdrawn ...	702	743	816
Compromised ...	10,014	10,796	11,492
Dismissed for default or want of prosecution ...	3,598	3,283	2,995
Dismissed uncontested ...	50	73	70
Pending at the close of the year ...	2,850	3,291	2,664
	<u>32,804</u>	<u>33,664</u>	<u>32,875</u>

As compared with the preceding year, "Miscellaneous cases," as shown in one of the statements appended to the Report to the High Court, fell off by 29. There was a decrease of 1,428 in the institution of regular suits exclusive of revivals, and the figure for 1886 is less than that for 1881 (34,108) the last year before the introduction of the present Act, by 4,892. The falling off in the past year was chiefly in suits below Rs. 50 in value, though there was also a slight diminution in the number of suits up to the value of Rs. 100 and of Rs. 100 to Rs. 500, and again in those of above Rs. 1,000 in value, of which the latter take up most time and give the most trouble. The work however increased in other directions. There were 11,403 "Other applications" against 8,633 in 1885—a rise of 2,770; the number of applications for execution of decrees increased by 871, from 17,636 to 18,507; and applications for leave to sue under section 18 by 141—1,684 against 1,543.

3. The appointment of a Fifth Judge from the 1st November enabled the Court to dispose of a slightly increased number of contested cases and to reduce the very heavy pending file from 3,291 to 2,850. There were at the close of the year 946 cases that had been pending more than three months, against 1,076 in the previous year.

4. The total value of suits decreased from Rs. 21,41,108 to Rs. 20,68,380. The falling off in the number and value of suits did not, however, affect the operations of the Execution Department; the amount realised with issue of process increased from Rs. 2,42,265 to Rs. 2,48,179, and Rs. 2,21,08 were realised without process against Rs. 2,16,323 in the preceding year. The number of debtors imprisoned, too, rose from 453 to 481, and of debtors arrested, but released without imprisonment, from 449 to 506. The net receipts of the Court were Rs. 95,192 against Rs. 99,429 in 1885.

5. The Judges, as requested by the Lieutenant-Governor, refer in their report to the recent complaints, preferred by the Bengal Chamber of Commerce, of the inconvenience felt by the public owing to the want of sufficient accommodation, of the working of the Distraint Department, of the want of a store and sale shed, and of the delays entailed by the new procedure introduced by Act XV of 1882. A store and sale shed has since been provided; but on the other points the Judges are unable to make any definite practical suggestions. They say generally that the Court premises are already overcrowded, and that if extra accommodation is required, either in the way of additional waiting-rooms for suitors or benches, it cannot be given without building. It is not, however, distinctly stated whether, in the opinion of the Judges, the complaints of the Chamber of Commerce are well-founded or not; and in fact, both as regards the questions of want of accommodation and of the working of the Distraint Department, they are unable to understand to what these complaints, which were stated very briefly and generally, precisely refer. The Lieutenant-Governor would be glad to receive a further report on the question of the additions to the present building, both for the accommodation of the Courts and of suitors, if the Judges really consider such additions absolutely necessary.



6. As regards the working of Act XV of 1882, the Judges merely say that the matter has been dealt with in every annual report since the Act was passed; but in their report to the High Court they attribute the decrease in suits of smaller values "to the more cumbrous procedure which has been adopted since 1882, and to the fact that the smaller suits are necessarily shouldered out of the way in consequence of the greater time which is taken up in contesting suits of higher value and importance." They add, however, that the appointment of a Fifth Judge will probably secure the more prompt disposal of suits. The Lieutenant-Governor hopes that the returns for 1887 will verify this prediction. Those for 1886 show that the average duration of suits has increased to such an extent as to seriously affect the usefulness of the Small Cause Court as a Court for the speedy collection of small debts; and it is not surprising to find that the number of suits of the smallest values show a marked decrease, while of suits actually instituted, an ever-increasing number is referred to arbitration. In 1881 contested suits lasted on the average for 31.3 days; and although there are no statistics of this kind for previous years, it appears from a remark in the Government Resolution on the report for 1881—"cases now take a much longer time to try"—that in earlier years the average duration was still shorter. In 1882 the figure rose to 54.8, and in 1883 to 71.5. Since then the increase has been very rapid—114.4 in 1884, 127.1 in 1885, and 149.2 in 1886. No doubt a very considerable proportion of this increase is accounted for by the longer time taken over cases of higher values tried under the ordinary Civil Court Procedure; and, as it appears that these cases are, almost without exception, taken by the Chief Judge, it is not clear why suits for smaller values, tried by the other Judges, should last much longer than they did before. But, as the Judges admit, smaller suits are "shouldered out of the way," and frequent postponements add enormously to the time occupied in disposing of them. It would be useful if the Judges could, in future reports, in addition to stating the average duration of contested suits, show separately the average duration of suits tried by the ordinary and summary procedures respectively. It would then be possible to estimate how far Act XV of 1882 is responsible for the delays now complained of, and how far they are due to other causes. In so far as they are accounted for by the mere overclogging of files, the recent appointment of a Fifth Judge will doubtless do much to relieve the other Judges, and expedite the decision of small cases; but it appears to the Lieutenant-Governor that something more is required than an addition to the number of Judges. During the past year two Judges of the High Court, after an inspection of the Small Cause Court, observed that each Judge was occupied for two hours daily, and often still longer, with the revision of his day's list; and they recommended the adoption of a different distribution of work, by which the daily revision should be left to one Judge, the time of every other Judge being left free for the trial of contested cases. This procedure was tentatively adopted, but abandoned after a trial of three weeks, with the consent of the Chief Justice, and of one of the inspecting Judges, Mr. Justice Wilson. The Court has since reverted to the old procedure: but the Lieutenant-Governor trusts that it may be found practicable, since the Court has been strengthened by the addition of one Judge, to get through the revision of the day's list in a shorter time, and he hopes that this cause of delay will now be greatly lessened. What more is required to enable the Small Cause Court to fulfil the object with which it was created, the Lieutenant-Governor must trust to the Court itself, with the advice and assistance of the High Court, to indicate. Although constantly referring to the delay involved in the procedure imposed by the Act of 1882, the Small Cause Court Judges have never made any definite suggestions for remedying the defect. In their Report for 1882 they wrote: "We are not prepared to advocate a return to the old practice"; and they have never since recommended any amendment of the present law. It is for them to indicate the remedy for any defects which experience may since have disclosed either in the law or in the practice of the Court.

By order of the Lieutenant-Governor of Bengal,

F. B. PEACOCK,

*Chief Secretary to the Govt. of Bengal.*

PROCEEDINGS OF THE MEETINGS OF THE MUHAMMADAN  
EDUCATIONAL ENDOWMENTS COMMITTEE.

The following proceedings of meetings of the Muhammadan Educational Endowments Committee are published at the request of the Committee for general information.

P. NOLAN,

*Secretary to the Government of Bengal.*

*Proceedings of a meeting of the Muhammadan Educational Endowments Committee,  
held on the 9th March 1887.*

Present:

HON'BLE G. C. PAUL, C.I.E., *Advocate-General, President.*

HON'BLE ABDUL JUBBAR.

NAWAB BAHADOOR ABDOL LATEEF, C.I.E.

P. NOLAN, Esq.

THE minutes of the meeting of the 7th February 1887 were read and confirmed.

The following statement by the Secretary was read—

“There are now three schemes before the Muhammadan Educational Endowments Committee, and it is desirable to decide at an early date whether any of them will be adopted and worked out in detail.

The first was embodied in our preliminary report to Government, dated the 30th July 1886, and was subsequently approved at two meetings, Nawab Abdul Latif and the Hon'ble Abdul Jubbar dissenting. It provides for the appointment of a Central Committee, under the presidency of the Director of Public Instruction, with powers to administer the income of the Mohsin endowment available for education (Rs. 56,565 a year), to control the expenditure of other educational endowments, to call for annual accounts, and compel the production of deeds and evidence as to mixed endowments.

The second scheme is that of the Central National Muhammadan Association, and I understand it is now supported by three members of the Committee. It contemplates the appointment of a Central Committee under the presidency of the Advocate-General, with power to direct the expenditure of all educational funds of Muhammadan endowments, to supervise religious endowments, and to require from them annual accounts. It includes, moreover, the simplification of the procedure in endowment suits, the conferring on Civil Courts of new powers in such cases, the appointment of an officer in each district to look after suits of this character, and of a Committee, with the Collector as President, to advise mutawalis and exercise a general control, which is not to be inquisitorial.

The third proposal, which is connected with the names of Nawab Abdool Lateef and the Hon'ble Abdul Jubbar, is that Regulation XIX of 1810 should be revised, with a view to imposing on Government the duty of supervising through the Board of Revenue and District Officers, with the advice of local Muhammadans, the administration of all endowments according to the wishes of the pious founders. This is opposed by the Central National Muhammadan Association.

The two first schemes resemble each other in including the supervision of secular endowments by a Central Committee presided over by a Government official; the two latter in recommending the control of religious endowments.”

A letter was received from Mr. Ameer Ali, applying that further proceedings might be adjourned, pending the receipt of a promised communication from the Muhammadan Literary Society in reply to the proposals of the Central National Muhammadan Association.

The President observed that, while it was desirable to grant the adjournment, the preparation of the reply might be expedited. He would be glad if the Muhammadan members would come to an understanding among themselves, as otherwise Government would hardly be expected to take any decided action. Perhaps Nawab Abdool Lateef might be able to accept the proposal to supervise endowments by a Committee or Committees. If he adhered to his preference for official control, that might be vested in a special officer, more or less independent of Government. The policy of direct Government supervision had been definitely abandoned, and it was useless to advocate a return to it.

Nawab Bahadur Abdool Lateef replied that in these days it was difficult to secure an adequate supply of men duly educated in Arabic and the ceremonial

law to meet the requirements of Muhammadans. To some extent this need was met by the endowments. If their administration were confided to Committees, the more advanced Muhammadans who had received an English education would acquire a control, which they would probably use to divert the funds to supporting purely secular education. As to a special official, there would be a difficulty as to his pay, and after all he would merely represent Government as much as the authorities named in Regulation XIX of 1810. It seemed safer to trust Government than to confide in new institutions. He would not object to the appointment of educational officers as Local Agents under the Regulation.

After some further discussion the meeting adjourned.

P. NOLAN,

*Secretary, Muhammadan Educational*

*The 9th March 1887.*

*Endowments Committee.*

*Proceedings of a meeting of the Muhammadan Educational Endowments Committee,  
held on the 19th April 1887.*

PRESENT:

HON'BLE G. C. PAUL, C.I.E., *Advocate-General, President.*

NAWAB ABDOL LATEEF BAHADUR, C.I.E.

NAWAB MEER MOHAMED ALI.

HON'BLE ABDUL JUBBAR.

MR. PHILIP NOLAN.

A LETTER from the Muhammadan Literary Society of Calcutta, dated the 14th March 1887\* was read.

Nawab Meer Mohamed Ali represented that this communication had been in his hands only six days, and moved that its consideration be deferred to give the Central National Muhammadan Association time to reply; also that the reply, when received, be published with the proceedings.

The motion was agreed to.

The Hon'ble Abdul Jubbar submitted the following *futwah* for the consideration of the meeting.

*Question.*—What is the verdict of the learned men of the Holy Muhammadan law on the following question:—Where a Moslem makes a *waqf* of certain lands for the *talibulilm* [i.e., students or seekers after learning], is the income thereof to be devoted exclusively to students of religious knowledge, or generally to students of any knowledge, i.e., whether the same may also be given to students of the English language? Please answer this according to the principles of the Holy Muhammadan law. May God Almighty give you good recompense for it! He is the Helper!

*Answer.*—The income thereof shall be given exclusively to students of religious learning as would appear from what is mentioned in the *Fatawa Alungiree*:—"And if one were make a *waseyat* [testamentary disposition] in favour of the learned people of such and such town, it would include persons learning *Fiqah* [Muhammadan Law] and *Hadis* [traditions of the prophet], and it would not include those who discuss (religious matters) philosophically." *Finis.* And God is all-knowing!

Written by Abool Ahya,  
Mohammed Nayim,  
May he be forgiven,  
By God the great and wise,

21 J. 2, [21st of Jamadil Akhra] 1304.

The answer is correct. Written by Abool Ghena Mohammed Abdool Majid; may he be forgiven by God, who is above.

24-J-2-1304.

Seal of  
Abool Ghena  
Mohammed  
Abdool Majid.



The answer is correct, and God knows best what is right. Written by him who expects forgiveness from God, who is above. Abool Hamid Mohammed Abdool Hameed, may God forgive his sins and conceal his defects.

27-J-2-1304

Seal of  
Abool Hamid  
Mohammed  
Abdool Hameed,  
1300.

This *futwah*, he stated, explained the position he and his friends adopted towards proposals for providing English education from the funds of ancient endowments. He had no objection to English education, on the contrary, he maintained some twelve students of English in his house. He wished to see new scholarships founded to promote secular education. But the old endowments, in so far as they contained any clauses in favour of education, were designed only for religious education. There were several obligations imposed on Muhammadans as prayer, fasting, pilgrimage; and religious education was one of them. To assist in giving such education was distinctly a religious act for the good of the soul. These foundations discharged an useful function, inasmuch as in every country it was advisable to maintain men of religious learning. These funds should not be perverted to an alien use. In this he expressed not only his own sentiments, but those of the Muhammadans interested in such subjects as a body, as might be ascertained by enquiry at any Mosque.

Nawab Mir Mahomed Ali said that *futuwas* could be produced on both sides of this question, and who was to decide as to their weight? Perhaps the President would be good enough to do so. As to popular opinion, those who gained by the embezzlement of endowments were opposed to supervision, and they alarmed others by false statements as to the nature of the action proposed. The real defect was not the application of secular funds to religious uses, but their embezzlement by private persons. He understood that all Muhammadans were in favour of some authoritative supervision of the endowments, secular and religious. When the religious objects of a foundation were adequately provided for, why should not the surplus be assigned to education?

Mr. Nolan observed that the question which the *futwah* before them professed to answer was "where a moslem makes a *waqf* of certain lands for the Talibul-ilm (students), is the income thereof to be devoted exclusively to students of religious knowledge?" But the point for the decision of the Committee was more complicated than this, as there was no such thing, in fact, as an endowment "for students," without further indication of the founder's intentions. The Committee had received forty-one *touliatnamahs*, founding endowments supposed to be to some extent of an educational character. Except in the case of a few modern foundations, these always stated that the endowment was left to maintain a mosque, tomb, khanka or mausoleum; and where education was mentioned, it was as a subsidiary object, to be promoted together with the relief of travellers and so forth, in connexion with the mosque or other such institution. In nineteen cases, including those of the Mohsin and Sasseram endowments, where so much had been done to promote learning, education was not mentioned at all, and expenditure on it could be reconciled with the foundation deed only in so far as education is an adjunct to religion. The trustee might be permitted, if so minded, to spend money left for a mosque on a school attached to the mosque but he could not be compelled to do so; at the most he had a discretion. The speaker considered that it would be a difficult and invidious operation to separate the funds thus assigned for religious education from the religious endowments, of which they formed a vital part, and to devote them under the supervision of a Central Committee to a secular purpose. As to using the surplus funds of religious endowments for secular purposes, this was what had been done in the case of the Mohsin and Sasseram foundations, but it could hardly be defended as a general principle. The surplus of funds left for religion should be given to religion.

The President expressed a belief that the educational funds of an endowment could be separated from the religious more easily than Mr Nolan thought. For instance, there was the small endowment of Roman Bibi, No. 5 on their list left "to be spent in Ramzan, the two Eeds, the Fateha Dowazdaham Mohurram and the Shab-i-barat on charity, saving the poor and hungry from the severe pains and tortures of thirst and hunger, and on the maintenance of students." Why could not the amount left for maintaining students be spent on students of English? In Syed Ali Ashruf's endowment, No. 7, the money was left for "hospitality, charity, doles, medicines, maintenance of school and mosque, and other good and virtuous acts." In No. 9 Rs. 50 a month was assigned for the support of a Madrassa. It was true that in many cases the *touliatnamahs* left the trustee a discretion to spend the money much as he pleased, and in these it would be difficult to compel him to support secular education.

The *fatwah* he considered of great importance, and he would like a reference to the authority quoted in it. Having indicated a necessary correction in the translation, he stated that he would like to see the opinion given there examined, as, if true, it seemed inconsistent with any action in the direction of applying the funds of foundations to English education.

Nawab Bahadur Abdul Latif said that the Muhammadan Literary Society had been instrumental in procuring most of the modern foundations for English education. Why, then, should its members oppose a proposal to get as much money as possible for that purpose from the old endowments, except under the influence of a conscientious belief that such a course would be inconsistent with the wishes of the founders and with Muhammadan law? The first of the endowments specified by the President was religious, inasmuch as it was to be spent at religious festivals, and as it was provided that no *impious* man should remain mutwalli. The education contemplated was an inseparable part of the religious bequest. The other two cases quoted by the President were those of modern foundations, and in them there was no room for reform, as the money left for education was duly spent on it.

Mr. Nolan then proposed that Government be moved to extend the term of the Committee, which expired with the month of March, to the end of July. The facts had been ascertained, and opinions on them had been formed, so that the Committee was now in a position to report. But the Government of India had desired the several Presidency Committees not to report without consultation among themselves, and it was therefore necessary to await the result of the investigation which was being made in Madras. This was the less objectionable, as the continuance of the Committee did not involve any expense whatever.

The President observed that the proposed extension was necessary, but that he saw little prospect of the Committee being able to recommend any useful action. Government was opposed to what the Muhammadans desired—the general supervision of all religious endowments, and the enquiry seemed to show that in the face of the *fatwahs* produced, of the facts disclosed, and of the strong opinion entertained by an influential section of the community, it would be undesirable to separate the educational from the religious portions of the endowments, with a view to a distinct system of regulation and control. The motion was agreed to.

P. NOLAN,

Secretary, Muhammadan Educational  
Endowments Committee.

Dated Calcutta, the 14th March 1887.

From—The Members of the Committee of Management of the Muhammadan Literary Society of Calcutta.

To—The Secretary to the Muhammadan Educational Endowments Committee.

WE have the honour to acknowledge the receipt of your communication No. 117, dated the 11th ultimo, with its enclosures, and at the outset to offer our thanks to your Committee for allowing our Society an opportunity of discussing a question which is of vital importance to the Muhammadan community at large.

2. From the proceedings of your Committee and the connected correspondence published from time to time in the *Calcutta Gazette*, we understand that the Government of India is desirous of ascertaining the measures, if any, necessary for the protection and preservation of endowments made by Muhammadans for educational purposes. There is no doubt that legislation on the lines of Regulation XIX of 1810, whereby the preservation of the corpus and the legitimate appropriation of the incomes of *all* endowments will be secured, is a great desideratum; but we fear that no appreciable good is likely to result from an enquiry limited to educational endowments. Not only are such endowments thinly scattered, but they cannot, consistently with the wishes of the grantors, be utilised in promoting secular education.

3. The Muhammadan Literary Society, which, ever since its establishment in 1863, has systematically laboured to impress upon the minds of their co-religionists the necessity of a liberal English education, and to remove all prejudices against it, would be the first to join in any movement intended to enable the Muhammadans to compete on equal terms with their fellow-subjects of other creeds; but we cannot help thinking that the suggestion of the Central National Muhammadan Association, to utilise for general education Muhammadan endowments which are based upon religious belief, will give rise to a discussion which had best be avoided.

4. The prejudices of the Indian Muhammadans against education in Western science and literature have materially diminished of late years, and they have come to know that there is nothing in the Muhammadan religion which stands in the way of the acquisition of such knowledge; but the majority of the Muhammadans will certainly object to the application of endowed funds in contravention of the wishes of the donors.

5. The object of the Central National Muhammadan Association has not, as they say, been misrepresented; but it may be said to have been misunderstood, if it were not their intention to divert the proceeds of endowed property to purposes alien to the real intentions of the grantors. That there are good reasons for the misunderstanding no one can deny. From a perusal of the memorial submitted to Government by the Central National Muhammadan Association, and of their memorandum recently placed before your Committee, one can hardly avoid being impressed with the belief that they intended to contribute towards the costs of secular education from endowment funds; and it is in this belief on the part of the Muhammadans that the source of the hue and cry raised against the enquiry of your Committee is traceable. If the Central National Muhammadan Association had plainly told the public that their intention was simply the protection, and not the re-distribution, of endowment funds, we are sure not a single voice would have been raised against the action of your Committee; but, on the contrary, such action would be supported almost in every quarter.

6. Now, the principal points discussed in the memorandum of the Central National Muhammadan Association may be summed up as follows:—

- (1) The study of European science and literature is not forbidden by the religion of Islam.
- (2) An endowment or *wakf* may be made by a Muhammadan for the purposes of secular education.
- (3) The word *talib-ul-ilm* is not restricted to a student of knowledge of divinity, but includes every description of students.

7. The first two points, we beg to submit, are foreign to the subject of the present discussion. In all Muhammadan countries the cultivation of arts and sciences has been patronised, and the Indian Mussulmans als



have taken to the study of English. Nor has it been averred by anybody that the Muhammadan religion stands in the way of the general education of the faithful. It is likewise out of the question whether a *wakf* can be made for giving secular instruction. In our own days, prizes and scholarships have been founded by Muhammadans for the benefit of students of Western science and literature; and we are not inclined to argue the point in a manner that would discourage such liberality in the slightest degree. Every well-to-do Muhammadan should now come forward to assist his co-religionists in acquiring a thorough knowledge of what is now-a-days essential to the improvement of their condition in life.

8. As regards the third point, we beg to differ from the Central National Muhammadan Association as to the meaning of the word *talib-ul-ilm*, as used in theological treatises and in documents relating to Muhammadan endowments. The literal meaning of the word is not a "seeker of knowledge," but it means a "seeker of *the* knowledge." The definite article "*the*" limits the significance of the common noun "*ilm*" or knowledge, that is to say, it means a seeker of *the* knowledge which every Muhammadan, male or female, is bound by religion to acquire. Hence, in the Muhammadan world, the word is understood to mean a student of divinity.

9. The quotations from the *Koran* and the *Hadis*, adduced by the Central National Muhammadan Association in support of the assertion contained in paragraph 4 of their memorandum, have nothing to do with the real matter under discussion, as would appear from the detailed examination of the sacred texts, which is separately embodied in Appendix A.

10. It is undisputed that the word *ilm*\* literally means knowledge; but the question is what the doctors of the Muhammadan law have understood by it in the compound word *talib-ul-ilm*. What it really means is fully explained in the *fatwas* given by some of the most learned scholars of the day (all of whom have recently been honoured by His Excellency the Viceroy with the title of *Shams-ul-Ulama*), translations of which are appended and marked B, C, D, and E, and in the memorandum, marked F, drawn up by a member of our Society, and we fully concur in the views therein expressed. It will be noted that three of the appendices (C, D, and E) contain the opinions of leading *Mujtahids* of the Shiah sect.

11. With regard to the proposal for the formation of Central and Branch Committees with a view to exercise control and supervision over the *wakf* estates, we concur with the opinion expressed by two members of your Committee, that such Committees are not calculated to command the confidence of the generality of the Muhammadans, and that the functions which are intended to be entrusted to them would be better performed by European officials, with the aid of Muhammadan gentlemen commanding local influence.

12. Moreover, it is to be feared that an unpaid agency could hardly be expected to perform the work uniformly well. With the lapse of time, as the enthusiasm inspired by the novelty of the measure begins to flag, the interest taken in the matter might be slackened, the members might grow indifferent and less attentive, and in such cases the supervision would be anything but perfect or satisfactory.

We have, &c.,

(Sd.) MAHOMED RUHEEMOODDEEN,  
President.  
" JAHAN KADAR MEERZA, } Vice-  
" MAHOMED NUSSEEROODDEEN } Presi-  
" HYDER, } dents.  
" ABDOL JUBBAR.  
" MAHOMED BUKHTYAR SHAH.  
" " ABDOOR ROWOOF.  
" ABDOL HAL.  
" AGA SYED SADICK.  
" MIRZA MAHOMED BAKUR SHIRAZEE.

(Sd.) BUZLOOL HUCK.  
" A. F. M. ABDUR RAHMAN.  
" MIRZA MAHOMED JAH ALL.  
" MAHOMED NURUL ALAM.  
" MAHOMED ZAHURUL HAQ.  
" KALIMUR RAHMAN.  
" ALI BUKHSH.  
" AHMAD.  
" LATAPUT HOSSAIN.  
" ABDOL LUTEEF,  
Secretary.

\* *Ilm*—Lit.—"To know; knowledge."

In Muslim Theology the word *ilm* is always used for religious knowledge. Abdul Haqq says it is the knowledge of religion as expressed in "the Book" (Quran) and the "Sunnah" (Traditions), and is of two kinds, '*Ilm-ul-Mobadi*,' elementary knowledge, or that relating to the words and sentences of the Quran and Hadis; and '*Ilm-ul-Maqasid*,' perfected knowledge or that relating to faith and works, as taught in the Quran and Hadis. *Hughes' Dictionary of Islam* (1885), page 200.

## APPENDIX A.

In the fourth paragraph of their memorandum, the Central National Muhammadan Association adduce some quotations from the *Koran* and *Hadis* in support of the view that the word *talib-ul-ilm* means a "seeker of knowledge in all its branches." But an examination of the verses and traditions quoted would show that there is no indication in them of the sense in which they have interpreted the word *talib-ul-ilm*. The first verse علم آدم الأسماء كلها *Allama adama al-asma-a-kullaha* means, "He taught Adam the names of all things." Of the four words composing the verse, not one means "knowledge in all its branches." Of course the word *talim*, from which *allama* in the above verse is derived, means to teach, and the word *ilm*, from which *talim* is derived, means "to know" or "knowledge." But these do not prove that the compound *talib-ul-ilm* means seeker of knowledge in all its branches, or of all to which the words *ilm* and *talim* can be applied. *Talib-ul-ilm* means seeker of the knowledge, and the particular knowledge which is meant by it will vary according to circumstances. In a book of philosophy it will denote one engaged in the study of philosophy; in a religious book or endowment deed it will mean "seeker of religious knowledge;" and so on.

The second verse runs thus:—

واذ علمتك الكتاب والحكمة *wa iz allamtuka al-kitaba wa al-hikmata*. It means, "and when I taught thee the book and the knowledge of religion." That in this verse the word *al-kitab* means scripture and not *Koran*, as shown in the Central National Muhammadan Association's memorandum, and that the word *al-hikmat* means knowledge of religion and not science, will be seen by a reference to the exegesis of the *Koran*, such as *Má'ûlîm-ul-tanzil*, *Madarik*, &c. Even if the word *al-hikmat* be translated as science, it would mean, in the verse in question, the science of religion, and not science in general. If the Central National Muhammadan Association contend that the word *al-hikmat* here means "science in general," they must adduce proof that there was any incident in the life of Jesus Christ, to whom the above verse was addressed, which showed that he was taught by God any science except the science of religion. It will rather be found in the New Testament that science and philosophy have been pronounced to be "unprofitable and vain."

The third verse يوتي الحكمة من يشاء *yuti-al-hikmata-man yashao* means, "He giveth the knowledge (of religion) whomsoever He pleaseth." (Here it may be observed that the Central National Muhammadan Association have translated the word *al-hikmat* to mean knowledge, whereas in the second quotation the same word is rendered to be science.) The word *al-hikmat* in this verse also does not mean "knowledge in all its branches," but some particular knowledge, which, from the commentaries of the *Koran*, would appear to be the knowledge of religion.

Now the tradition of the prophet طلب العلم فريضة *ṭalib al-'ilm fariḍa* means "seeking of the knowledge (of religion) is obligatory," and not "seeking of knowledge in all its branches is obligatory." With regard to this tradition, it is plainly stated in *Kashf-uz-zunûn* that the commentators of *Koran* and narrators of traditions explain the word *al-ilm* in the said *Hadis* to be the knowledge of *Koran* and traditions of the prophet; that the Doctors of Muhammadan law declare it to be the knowledge of what is lawful and what is unlawful according to religion; and that the students of scholastic theology aver that it is that knowledge by means of which the unity of Godhead is comprehended.

The second and fourth traditions quoted by the Central National Muhammadan Association are spurious traditions, which, according to his religion, no Muhammadan ought to quote without mentioning the fact of their being spurious. Such traditions cannot be accepted as authority.

The third tradition quoted by the Central National Muhammadan Association is علموا أولادكم الرمي *allimu al-awladakum al-rimi* which means "instruct your children in archery." This only denotes that the word *ilm* can be used in connection with archery. There is, however, no contention as to the literal significance or application of the word *ilm*. Here the question is, whether the compound *talib-ul-ilm*, used in deeds of endowment, does mean other than a student of Divinity?

The passages quoted from *kashf-uz-zunûn*, in the fifth paragraph of the Central National Muhammadan Association's memorandum, are not exactly as they stand in the book itself. They have been partially altered without regard to grammatical correctness, and do not convey the original ideas of the author. The first passage given correctly would be—

المنظر الاول في العلوم الاسلامية واعلم ان العلوم المتداولة في الامصار علي منفيين صنف بلجي  
للانسان يهتدي اليه بفكره وهي العلوم الحكمية وصنف نقلي ياخذ من وضعه وهي العلوم النقلية

"Chapter I. Regarding Islamic knowledge.—And know that the subjects of learning in vogue in the land are of two kinds (mark the difference!)—one intellectual, which a man can acquire by means of mental faculties, and this is philosophical knowledge; and the other traditional, which a man receives from their authors, and these are called traditional learnings." Below this very passage, after mentioning some other things, the author of *Kashf-uz-zunûn* says:—

وهذه العلوم النقلية كلها مختصة بالامة الاسلامية

"and these traditional learnings, all of them, belong exclusively to the followers of Islam."

The second passage from *kashf-uz-zunūn* also does not appear in its perfect form in the Central National Muhammadan Association's memorandum. But all that can be gathered from it is that the word *ulum* (plural of *ilm*) can be used in denoting sciences, and that a student ought not to despise the study of sciences. In regard to the first point, it has been already noted above that the word *ilm* by itself means knowledge, and when *al* is prefixed to it, it means *the* knowledge: hence *talib-ul-ilm* means "seeker of *the* knowledge," and the particular knowledge meant by it, when used in theological works and endowment deeds, is, as already explained, the knowledge of religion. Now, as to whether it is proper to study philosophical works, and if so, under what circumstances, it is strange that the warning conveyed in the note just below the second passage quoted from *Kashf-uz-zunūn* by the Central National Muhammadan Association should have escaped the notice of the members of that body. It runs thus—

اعلم ان النظر والمطالعة في علوم الفلسفة يحل بشرطين احدهما ان لا يكون خالي الذهن عن العقائد الإسلامية بل يكون قويا في دينه راسخا على الشريعة الشريفة والثاني ان لا يتجاوز مسائلهم المخالفة للشريعة وان تجاوز فانما يطالعها للرد لا غير \*

"Know that the study of philosophical sciences and application to them may be lawful if two conditions be observed—

"First, that the student be not ignorant of the articles of Islamic faith; he should rather be well versed in religion and a steadfast follower of the noble *Shariat* (Muhammadan law).

"Secondly, that he should not go beyond the proper bounds in studying the questions repugnant to Muhammadan religion; but if he does exceed the due limit, he should study them simply with the intention of proving their fallacies, and for no other purpose."

ABDOOL LUTEEF,  
Secretary.

14th March 1887.

#### APPENDIX B.

Translation of a Fatwa given by Shamsul-Ulama Maulavi Muhammad Saeed of Patna.

Question.—What do the learned Muhammadans say in explanation of the word *ilm* (knowledge) in the following Hadis:—

طلب العلم فريضة على كل مسلم ومسلمة

"It is binding upon every Mussalman, male and female, to seek the knowledge?" Which knowledge is meant by *ilm* referred to here? Does it include all the branches of learning, or only one kind of it? If the latter, what particular kind of knowledge is meant by it?

Answer.—In his work called *Musnad*, Imam Abu Hanifah has related the Hadis in full as noted in the question; but in *Mishkat*, it is related with the omission of the words *مسلمة* و. The meaning of *ilm* in this tradition, as stated by Shaikh Abdul Hack of Delhi, is that knowledge which Muhammadans are bound to learn agreeably to their conditions in life; as for instance, when a man embraced Islam, it became obligatory upon him to know the Creator and His attributes, to know the prophet, and to know other things, without a knowledge of which faith is not perfect. Again, when the time for prayer arrived, it became incumbent upon him to learn the rules of prayer. When the month of Ramazan came, it became obligatory upon him to learn the rules of fasting. When a man became possessed of property enough to necessitate the payment of *zakat* (a kind of religious tax), it became obligatory upon him to learn the rules regarding it; but if he died before the due time, and did not learn them, he will not be a sinner. When a man married, he became bound to learn the necessary obligations of a conjugal life, and so on. Further, Abdur Rauf Munawi Shafei, in *Taisir*, the commentary on *Jami Saghir*, says: "By *ilm*, in the above Hadis, is meant that knowledge which one should not neglect, such as the knowledge of the Creator, the prophethood of the prophets, particulars of prayers, &c., the knowing of which is obligatory."

The reason why a knowledge of religion is specially understood in the above is because the words *مسلمة* و *مسلم* (all Mussalmans, males and females) indicate that knowledge, which is strictly obligatory, and the knowledge which is strictly obligatory is the knowledge of religion.

ABDOOL LUTEEF,  
Secretary.

#### APPENDIX C.

Translation of a Fatwa given by Shamsul-Ulama Mufti Syud Muhammad Abbas of Lucknow (now of Garden Reach).

Question.—What do the learned Muhammadans say in explanation of the word *ilm* (knowledge) in the following Hadis:—

طلب العلم فريضة على كل مسلم ومسلمة

"It is binding upon every Mussulman, male and female, to seek the knowledge?" Which knowledge is meant by *ilm* referred to here? Does it include all the branches of learning, or only one kind of it? If the latter, what particular kind of knowledge is meant by it?

Answer.—The word *ilm* in the above tradition means knowledge of religion and its preliminaries, which are calculated to bring about salvation in the next world.

ABDOOL LUTEEF,  
Secretary.



## APPENDIX D.

*Translation of a Fatwa given by Shamsul-Ulama Maulavi Syud Abul Hasan of Lucknow.*

*Question.*—What do the learned Muhammadans say in explanation of the word *ilm* (knowledge) in the following Hadis:—

طلب العلم فريضة على كل مسلم ومسلمة

“It is binding upon every Mussalman, male and female, to seek the knowledge?” Which knowledge is meant by *ilm* referred to here? Does it include all the branches of learning, or only one kind of it? If the latter, what particular kind of knowledge is meant by it?

*Answer.*—By knowledge is meant the knowledge of the five religious obligations, and the knowing of what is lawful and what is unlawful according to religion.

ABDOOL LUTEEF.

*Secretary.*

## APPENDIX E.

*Translation of a Fatwa given by Shamsul-Ulama Maulavi Syud Muhammad Ibrahim of Lucknow.*

*Question.*—What do the learned Muhammadans say in explanation of the word *ilm* (knowledge) in the following Hadis:—

طلب العلم فريضة على كل مسلم ومسلمة

“It is binding upon every Mussalman, male and female, to seek the knowledge?” Which knowledge is meant by *ilm* referred to here? Does it include all the branches of learning, or only one kind of it? If the latter, what particular kind of knowledge is meant by it?

*Answer.*—By knowledge in the above tradition is meant the knowledge of religion.

ABDOOL LUTEEF,

*Secretary.*

## APPENDIX F.

FROM a perusal of the papers published in the Supplement to the *Calcutta Gazette* of the 16th February 1887, it would appear that the lamentable mismanagement of *wakf* estates, as disclosed by the recent enquiries of the Endowment Committee, and the utter insecurity of such properties in the hands of indiscreet trustees, whose extravagances, in the absence of any check against malversation, have on various occasions been the cause of their being sold off as heritable properties in execution of decrees, call loudly for some supervision on the part of the Government to prevent misappropriation, and to ensure that the funds are applied to the particular purpose or purposes for which they were granted by the donors. But whether this supervision should be exercised through a Central Committee or the District Officers, it is a question for the Government to decide. All that one can wish in this matter, as a member of the Muhammadan community, is that the agency to be employed for carrying on the control may not be very expensive or untrustworthy.

It appears, however, that a great difference of opinion exists among Muhammadans as to how the funds should be applied when the *wakf* has been granted for educational purposes. The Central National Muhammadan Association, while avowing that they do not mean to devote the endowments to other purposes than those for which they were originally granted, urge that, having regard to the exigencies of the present situation, the income of endowments for education should be utilised in instructing the Muhammadans the language of their rulers, so that they might be enabled to compete on equal terms with the Hindus and other subjects of Her Majesty; and in support of the view that the adoption of such a procedure would be right and proper, they adduce (1) the opinion of Maulavi Naim of Lucknow, to the effect that “*talbas* are those who acquire secular knowledge,” and that “it is proper to learn the science of the ruling monarch, if such knowledge does not militate against one’s religion;” (2) the significance of the word *talib-ul-ilm*, which they assert to be a generic term, meaning “seeker of knowledge;” and (3) the practice followed in other Muhammadan countries with regard to teaching of knowledge and sciences in general in mosques and madrassas founded by sovereigns, chiefs, and well-to-do people.

On the other hand the Hon’ble Maulavi Abdul Jubbar argues that all endowments in which provision has been made for the maintenance of *talib-ul-ilm*s should, according to the wishes of the grantor, be solely devoted to the use of students of divinity, and not to the benefit of seekers of secular knowledge, inasmuch as the word *talib-ul-ilm* in *wakfnama*s is intended to signify one engaged in pursuit of religious knowledge.

The point therefore to be settled now is, which view as to the proper disposal of endowment funds is correct, and can be safely adopted. There is no doubt that the present backward state of Muhammadans in respect of education stands in urgent need of amelioration; but will it be proper for the attainment of this much-desired object to have recourse to

the measure advocated by the Central National Muhammadan Association? The grounds on which the recommendation of the Association is based do not seem to hold good—

1st.—The statement ascribed to Maulavi Naim, that "*tuibas* are those who acquire secular knowledge," is, on the face of it, incorrect, and seems to be a garbled version of what the Maulavi is supposed to have said. The word *talaba* (not *tuiba*) means only seekers, and as such it can be as well applied to seekers of secular knowledge as to seekers of religious knowledge. The second quotation from the Maulavi's statement is not also of much help. He says: "It is proper to learn the science of the ruling monarch, if such knowledge does not militate against one's religion." This is all very true; but it does not mean that endowment funds should be utilised in teaching "the science of the ruling monarch."

2nd.—The word *talib-ul-ilm* is stated to mean "seeker of knowledge," but any one acquainted with Arabic knows that it means seeker of *the* knowledge, and not knowledge in general. The quotations from the *Koran* do not at all prove that the word *al-ilm* means knowledge in general. *Al* in Arabic, like *the* in English, is generally prefixed to nouns to define what is indefinite. Now, what particular knowledge is meant by "*al-ilm*" in the compounds "*talab-ul-ilm*" and "*talib-ul-ilm*" as used in Muhammadan law books and religious works can be ascertained from the exegesis of the *Koran* and the traditions of the prophet. A reference to these will show, that the word "*al-ilm*" in such compounds means

علم الدين "*ilm-ud-deen*" the knowledge of religion, or the knowledge which the prophet himself inculcated to his disciples. That this is the correct meaning of the word "*al-ilm*" will also be apparent by a little reflection on the meaning of the *Hadis* quoted by the Association itself طلب العلم فريضة على كل مسلم (ومسلمة) which in its complete form is or seeking of *the* knowledge, i.e., the knowledge of the principles of Muhammadan religion and articles of faith, is obligatory on every Muhammadan male (and female). If the significance of the word "*al-ilm*" in the aforesaid *Hadis* be not restricted to a particular kind of knowledge, i.e., knowledge of religion, which the prophet taught his followers, can it be supposed for a moment, that the prophet, who is admitted even by his opponents to have been a great genius of his age, declared to his followers that seeking of knowledge in general, including sciences, was obligatory on every true believer; while evidently it is beyond the capacity of ordinary men to acquire such universal knowledge. The two quotations from *Kashf-us-zunûn* also do not prove that it is desirable or proper to defray the expenses of teaching sciences in general from out of endowment funds.

3rd.—The practice followed in other countries as to founding of madrasahs, &c., for imparting education to Muhammadans in other than religious subjects from out of endowment funds should be substantiated by more trustworthy proofs than bare assertions of historians, whose information is not unfrequently derived from unreliable sources, and very few of whom have the means or the capacity of sifting the truth. Even if it were proved that such institutions were actually established out of endowment funds, it would remain to be shown that in these instances the endowments were not misappropriated; for, with regard to *wakf* among Sunnis, it is distinctly stated that it should be for a religious purpose, whereas the learning of languages of fire-worshippers, Manichæans, Monguls, and Hindus, except under special circumstances, can hardly be called a religious act.

Further, it will be seen from the following passage quoted from *Kitab-ul-wasaya of Alamgiri*, that the word "*al-ilm*" means only religious knowledge:—

واذا اوصى لاهل العلم ببلدة كذا فانه يدخل فيه اهل الفتنة واهل الحديث ولا يدخل من يتكلم بالحكمة \*

"And when a man bequeaths (something) for *ahl-ul-ilm* in a certain country, the word *ahl-ul-ilm* will include men conversant with Muhammadan law and traditions of the prophet, and not those who discuss religious matters philosophically."

Under these circumstances, it would appear that, as pointed out by the Hon'ble Maulavi Abdul Jubbar, the word "*talab-ul-ilm*" should be taken in its restricted sense of seeking the religious knowledge; and that the income of endowments set apart for *talib-ul-ilm*s should, unless expressly assigned by the donor to the teaching of secular learning, be exclusively applied to the use of students of religious knowledge.

Moreover, it is to be borne in mind that as the Government does not undertake to provide for the religious training of the Muhammadans from out of general revenues of the country, and as there is no special priest class among Muhammadans as there exists among Christians and Hindus, it is very desirable—rather necessary—that, for the purpose of having always among Muhammadan communities some men well versed in religion, the inducements already existing for the acquirement of religious learning should not be done away with by encouraging at its expense the diffusion of secular knowledge, for the attainment of which other means are not wanting, if the Muhammadans would throw off their lethargy and avail themselves of those means. Steps should rather be taken to see that religious instruction is properly given in the madrasahs, &c., supported by endowment funds.

ATAUR RUHMAN.

A Member of the Mahomedan Literary  
Society of Calcutta.

The 5th March 1887.

# APPOINTMENT OF MINISTERIAL OFFICERS IN THE PATNA DIVISION.

No. 148G, dated Bankipore, the 31st March 1887.

From—JOHN BOXWELL, Esq., Officiating Commissioner of the Patna Division,  
To—The Chief Secretary to the Government of Bengal.

WITH reference to Government order No. 5646A, dated 28th December 1880, I have the honour to submit herewith a statement showing the number of vacancies, both acting and permanent, that occurred during the past year in the several offices in this Division.

2. The total number of vacancies which occurred during the last year in the several offices and departments in this division was 639. These vacancies were thus distributed—

In the Revenue and Magistrates' Offices	...	...	136
In Municipal Offices	...	...	20
In the Road Fund Department	...	...	24
In the Registration Department	...	...	29
In the Police Department	...	...	430
Total			639

The above appointments were filled up in the several offices and departments as follows:—

	By Beharis.	By Bengalis.	By others.
In the Revenue and Magistrates' Offices	119.	17	...
In Municipal Offices	19	1	...
In the Road Fund Department	16	7	1
In the Registration Department	29	...	...
In the Police Department	421	8	1
Total			604

It will thus be seen that 94.5 per cent. of the vacancies were filled up by the natives of Behar, while 5.1 per cent. of the appointments were given to Bengalis, including one domiciled in Behar.

*Statement showing the number of vacancies, both acting and permanent, that occurred in the districts of the Patna Division during the year 1886.*

DISTRICT.	Name of Office or Department.	Number of vacancies.	HOW FILLED UP.		Remarks explaining why preference was given to Bengalis.
			By Beharis.	By Bengalis.	
Patna	Commissioner's Office	9	4	5 (a)	(a) Two of these were already in the service, the remaining three were apprentices attached to this office, who were appointed as a temporary arrangement.
	Collector's Office	8	5	3 (b)	(b) These were the cases of three Income tax clerks.
	Magistrate's Office	8	8	...	
	Municipal Office	5	5	...	
	Registration Department	6	6	...	
	Police Department	89	89	...	
Gya	Road Fund Department	15	15	...	
	Collector's Office	15	14	1 (c)	(c) Mere change of places, the second clerk of the Collectorate being exchanged with a sub-divisional head clerk and sheristadar.
	Magistrate's Office	1	1	...	
	Police Department	40	40	...	
Shahabad	Road Fund Department	1 (d)	...	...	(d) Eurasian.
	Collector's Office	7	7	...	
	Municipal Office	2	2	...	
	Registration Department	9	9	...	
Mousufferpore	Police Department	1	1	...	
	Collector's Office	55	55	...	
	Municipal Office	1	1	...	
	Registration Department	4	4	...	
Darbhanga	Police Department	22	22	...	
	Road Fund Department	4	...	4 (e)	(e) Competent Beharis were not available for the posts of overseer and sub-overseer.
	Collector's Office	10	9	1 (f)	(f) Was promoted to the post of Excise darogah, having served as an Excise head clerk in the district for a long time.
	Magistrate's Office	5	5	...	
	Municipal Office	2	2	...	
	Registration Department	1	1	...	
	Police Department	64	61	3 (g)	(g) Two vacancies occurred in the office establishment, and of the candidates for the appointment the two Bengalis stood first; one vacancy was in the Executive Force, and the man was appointed on the special recommendation of the Magistrate.
	Road Fund Department	4	1	3 (h)	(h) No passed Behari student of Civil Engineering College applied for the over-seerships.



DISTRICT.	Name of Office or Department.	Number of vacancies.	How FILLED UP.		Remarks explaining why preference was given to Bengalis.
			By Beharis.	By Bengalis.	
SARUN	Collector's Office ... ..	4	3	1(i)	(i) Promotion.
	Magistrate's Office ... ..	2	.....	2(j)	(j) One was transferred from the Education and one from the Police Department, both were the best of the candidates among the applicants.
	Municipal Office ... ..	7	6	1(k)	(k) A Bengali was appointed head clerk of the Chupra Municipality, being an experienced and fitted servant of Government and quite fit for the post.
	Registration Department ... ..	3	3	.....	(l) Of these one was filled up by promotion of a Bengali and another by appointment of a Bengali; one post was filled up by the transfer of an Armenian from Bhagulpore.
	Police Department ... ..	182	179	2(l)	
CHUMPARUN	Collector's Office ... ..	5	4	1(m)	(m) A domiciled Behari.
	Magistrate's Office ... ..	7	4	3(n)	(n) These were cases of promotion, the men promoted being already in the service.
	Municipal Office ... ..	3	3	.....	(o) The posts of head clerk and second clerk of the District Superintendent's Office were given to Bengalis, as no competent Beharis could be found. Another vacancy was filled up by the transfer of a Bengali from Jessore.
	Registration Department ... ..	6	6	.....	
	Police Department ... ..	23	20	3(o)	

PATNA COMMISSIONER'S OFFICE; }  
BANKIPORE, }  
The 31st March 1887. }

J. BOXWELL,  
Officiating Commissioner.

## THE EMBANKMENT REPORTS FOR 1885-86.

No. 6831.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

IRRIGATION.

*Dated Calcutta, the 25th April 1887.*

RESOLUTION.

READ—

THE EMBANKMENT REPORTS FOR 1885-86.

The grant for the maintenance of embankments for the year was—

				Rs.
Government embankments	...	...	...	7,40,000
Tuccavee ditto	...	...	...	1,52,900
		Total	...	8,92,900

The expenditure was as follows:—

				Rs.
Government embankments	...	...	...	5,42,744
Tuccavee ditto	...	...	...	95,598
		Total	...	6,38,342

The accompanying table shows the lengths of embankments in each civil division and district maintained either directly by Government or at the cost of zemindars. The embankments in the D schedule are maintained at Government cost. Those classed as tuccavee are maintained at the cost of zemindars, either under contract for a fixed term of years or under annual estimates for repairs, the cost in both cases being recoverable, but in the former only are the charges provided for in the budget grant. The expenditure on the latter is shown in the marginal notes of the table. The reports show that in the several districts embankments were maintained in good order, and damage from high floods occurred only in Moorshedabad and Midnapore. Breaches, however, in these two districts were so extensive that they have formed the subject of separate reports, and need only be briefly alluded to here. In the Moorshedabad district, the Bhagirutti left embankment breached at Laltikuri, causing the extensive floods which swept the country and damaged the Eastern Bengal State and Central Bengal Railways. The calculated discharge of this breach was 50,000 cubic feet per second. It is proposed to construct a retired line here, as many points are threatened by erosion; but in the meantime a small retired line has been made.

In the Midnapore district, both D schedule and tuccavee embankments suffered severely from a simultaneous rise of the Cossye and Selye rivers. Distress was occasioned, which called for relief measures, and considerable damage to crops occurred. The country is, however, so extensively embanked that in high floods breaches invariably occur, and the application of any remedy would be a matter of great difficulty.

The average mileage rate for maintenance is below that for last year, being Rs. 180 for D schedule and Rs. 166 for tuccavee embankments against respectively Rs. 186 and Rs. 190 for last year.

By order of the Lieutenant-Governor of Bengal,

C. W. I. HARRISON, *Lieut.-Col., R.E.,**Offg. Secretary to the Govt. of Bengal,**P. W. Dept.*

List of Embankments in Bengal, the property of Government and in charge of Government officers, showing the length and cost of maintenance during the year 1885-86.

NAME OF CIVIL DIVISION.	DISTRICT.	MILES OF EMBANKMENTS.								Total miles of embankments.		COST OF MAINTENANCE OF SCHEDULE EMBANKMENTS.		COST OF MAINTENANCE OF TACCAVI EMBANKMENTS UNDER CONTRACT.		Amount payable under contract.	REMARKS.
		D. Schedule.				Taccavi.						Total.	Rate per mile.	Total.	Rate per mile.		
		Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Miles.	Feet.	Total.	Rs.						
PATNA	Muzafferpore	.....	.....	52	400	24	1,050	76	1,450	.....	.....	Rs. 12,861	Rs. 246.96	Rs. 10,415	Rs. 7,831 was expended on works and repairs to the Turki embankment during the year.		
	Durbhanga	.....	.....	.....	.....	17	3,960	17	3,960	.....	.....	.....	.....	.....	Rs. 1,805 was expended on repairs to the Hazidpur embankment during the year.		
	Saran	.....	.....	119	4,222	.....	.....	119	4,222	.....	.....	17,511	146.17	23,970			
	Chumpanun	.....	.....	65	.....	65	.....	65	.....	.....	.....	8,898	135.97	13,000			
BHAGLPORE	Gya	.....	.....	.....	.....	1	670	1	670	.....	.....	.....	.....	.....			
	Total	.....	.....	236	4,622	43	400	279	5,022	.....	.....	39,210	165.53	47,315	Rs. 854 was expended on repairs to the Sacree bund during the year.		
	Bhagulpore	.....	.....	.....	.....	3	2,960	3	2,960	.....	.....	.....	.....	.....	Rs. 1,094 was expended on works and repairs to the Banka embankment during the year.		
	Mallah	2	959	.....	.....	.....	.....	2	.....	82	3.58	.....	.....	.....	Rs. 677 was expended on repairs to the Belwa embankment during the year.		
RAJSHAHYE	Purneah	.....	.....	.....	.....	2	1,315	2	1,315	.....	.....	.....	.....	.....	Rs. 1,044 was expended on repairs to the Monghyr embankment during the year.		
	Monghyr	.....	.....	.....	.....	11	1,320	11	1,320	.....	.....	.....	.....	.....			
	Total	2	959	.....	.....	17	315	17	315	.....	82	37.58	.....	.....			
	Rajshahye and Bogra	7	244	.....	.....	.....	630	7	874	(a) 12,610	1,789.61	.....	.....	.....	There was no expenditure during the year on the Chota Manika embankment in Bogra district.		
PRESIDENCY	Total	7	244	.....	.....	.....	630	7	874	12,610	1,789.61	.....	.....	.....			
	Moorsheadabad	95	.....	.....	.....	.....	.....	95	.....	(b) 44,699	470.52	.....	.....	.....			
	Nuddea	219	4,000	.....	.....	.....	.....	221	4,000	Nil.	Nil.	.....	.....	.....	Rs. 2,001 was expended on land for Tolly's Nullah embankment and sluices during the year.		
	24-Pergunnahs	.....	2,542	.....	.....	2	.....	221	2,542	22,817	103.95	.....	.....	.....			
BUIDWAN	Total	315	1,262	.....	.....	2	.....	317	1,262	67,516	214.17	.....	.....	.....			
	Burdwan	86	1,393	.....	.....	.....	1,100	86	2,493	(c) 12,141	140.74	.....	.....	.....	There was no expenditure on the Damoodah right embankment at Jehangirpore during the year.		
	Beerhoom	3	1,320	.....	.....	.....	.....	3	1,320	Nil.	Nil.	.....	.....	.....	On the Madaria Khal Embankment some repairs absolutely necessary were taken up, of which payment was deferred till next year.		
	Hooghly	164	4,346	.....	.....	6	.....	170	4,346	19,340	117.33	.....	.....	.....			
BUIDWAN	Midnapore and Balasore	606	291	256	2,798	.....	.....	256	2,798	1,02,105	168.47	43,097	168	54,973			
	Total	860	2,070	256	2,798	6	1,100	262	3,898	1,33,546	155	43,097	168	54,973			
	GRAND TOTAL	1,184	4,535	493	2,140	68	2,445	561	4,535	2,13,754	180	82,307	166	1,02,288			

(a) Includes Rs. 10,903 cost of a new retired line and a cross bund.

(b) Includes Rs. 98,828 for land for remodelling embankments.

(c) Exclusive of Rs. 2,537-13 expended on land for the Pulla and Janscooli retired lines.

C. W. I. HARRISON, Lieut.-Col., R.E.,  
Offg. Secy. to the Govt. of Bengal, P. W. Dept.



## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 23rd April 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
<b>BURDWAN DIV.</b>	1 Burdwan, April 23, '87	0.24	Weather—hot and dry. Prospects of crops good. Rice still cheap. Some cases of cholera. Cattle-pox still lingers in Culna sub-division.
	Culna	1.38	
	Raiganj	0.07	
	2 Bankura, " 23 "	0.39	Weather—very hot and somewhat stormy. <i>Til</i> and <i>karpas</i> cotton doing well. Lands are being prepared for <i>haimanti</i> rice. Prices unchanged. Public health good.
	Bishenpore	0.04	
<b>BURDWAN DIV.</b>	3 Beerbhoom, " 23 "	Nil	Weather—seasonably warm. Pressing of sugarcane over; outturn fair. Young sugarcane being planted out. Ploughing for paddy crop in active progress. Cholera reported from the interior, and is epidemic in parts of Rampore Haut sub-division.
	4 Midnapore, " 23 "	0.46	Weather—close and very warm. Paddy outturn excellent. Fresh ploughings begun in places.
	5 Hooghly, " 23 "	Nil	Weather—very hot. More rain wanted for ploughing. Cases of cholera continue to be reported from most places, besides fever and chicken-pox.
	Serampur	0.51	
	Jehanabad	1.37	
<b>BURDWAN DIV.</b>	6 Howrah, " 25 "	Nil	Temperature higher. Blowing from south. <i>Boro</i> rice and sugarcane good. Ploughing going on. Sporadic cases of cholera.
	Oolooberia	0.14	
<i>Central Districts.</i>			
<b>PRESIDENCY DIV.</b>	7 24-Pergha, April 26 '87	Nil	Weather—very hot with dry wind. Sugarcane doing well. Lands are being prepared for early rice. Public health fairly good, but cholera still reported.
	8 Nuddea, " 23 "	Nil	Weather—very hot with warm wind. Cultivation for rice crop progressing. Indigo only on the ground; it is doing well. Some cholera cases and cow-pox.
	Kushtea	0.20	
	Meherpore	0.0	
	Chudanga	1.35	
<b>PRESIDENCY DIV.</b>	9 Khosul, " 23 "	Nil	Days hot, with south wind. <i>Boro</i> rice harvest continues. Rain is required to assist ploughing and sowing. Public health good; some cholera in Bagirhat.
	Jessore, " 23 "	Nil	Weather—very hot. More rain wanted to facilitate ploughing. Cholera abating.
	Jhenidah	0.75	
	Magurah	0.35	
	Narail	0.17	
<b>PRESIDENCY DIV.</b>	10 Bongong	0.21	
	Moorshedabad, " 23 "	Nil	Weather—very hot. Prospects good. <i>Boro</i> paddy promising. <i>Bhadai</i> being sown. Cholera reported from Jungipore sub-division; otherwise public health good.
<b>RAJSHAHY DIV.</b>	11 Dinagepore, April 23, '87	0.51	Weather—fair. Rain all over the district except in Bunshibari. Land being prepared for <i>bhadai</i> crops. Sowing of jute and planting of sugarcane commenced in places. Rice 25 seers per rupee.
	12 Rajshahye, " 23 "	0.20	Weather—hot. Prospects of <i>boro</i> paddy and jute promising. Rain wanted for preparation of lands for <i>aus</i> and <i>amun</i> sowings, and for protection of seedlings. A few sporadic cases of cholera and small-pox reported.
	13 Rungpore, " 23 "	0.82	Weather—hot with occasional storms and slight rain. Crops on the ground doing well. Public health generally bad, fever and cholera being prevalent.
	Nilphamari	Nil	
	Kurigram	0.50	
<b>RAJSHAHY DIV.</b>	14 Bogra, " 23 "	0.15	
	Gaibanda	0.50	
	15 Bogra, " 23 "	Nil	Weather—very warm. Ploughing going on. Sowing of jute and <i>aus</i> and transplanting of sugarcane in progress. Outturn of <i>rubbee</i> crops fair. Public health generally good.
	Nowkhilla	0.50	
	16 Pubna, " 23 "	0.72	Weather—very hot and dry. Rice sowing going on. Cholera reported from some places.
<b>RAJSHAHY DIV.</b>	17 Darjeeling, " "	.....	Report not received.
	18 Julpigoree, " 23 "	1.93	Weather—close and sultry. Some heavy showers and a heavy hailstorm. Hails did some injury to standing crops, but rain favourable to early rice cultivation. Tobacco harvest over. Cholera prevails in thana Boda. Fever prevalent.
<i>Eastern Districts.</i>			
<b>DACCA DIVISION.</b>	18 Dacca, April 23, '87	1.21	Weather—very hot. <i>Aus</i> and <i>amun</i> paddy being sown. Harvesting of <i>boro</i> paddy going on. Planting of sugarcane has commenced. Prospects of crops good. A good many cases of cholera in Manickgunge and Munshigunge.
	Manickgunge	0.81	
	Munshigunge	0.79	
	Naraingunge	0.85	
	19 Furreedpore, " 23 "	Nil	Weather—hot with high winds from south and east. Paddy and sugarcane being cultivated. Cholera somewhat prevalent.
<b>DACCA DIVISION.</b>	20 Goalundo, " 21 "	0.65	Weather—very hot. Prospect of crops good. Cholera prevails in most of the stations; general health bad.
	Backergunge, " 21 "	2.11	
	21 Mymensingh, " 22 "	0.36	Weather—hot and close with occasional storms. Rain has done good to the country. Ploughing going on, and prospects favourable.
	Jamalpur	1.28	
	Kishoregunge	3.01	
<b>DACCA DIVISION.</b>	22 Attia	1.28	
	Netrokona	1.22	
	23 Chittagong, April 26, '87	Nil	Weather—hot. <i>Aus</i> is being sown. Prices steady. Cholera reported from several places, but public health fair.
	24 Noakhally, " 22 "	Nil	Weather—generally fine. Cloudy at times. A storm on the evening of 20th. Sowing of <i>aus</i> in full swing. Lands are being prepared for <i>amun</i> crop. A few sporadic cases of cholera.
	Fenny	0.46	
<b>CHITTAGONG DIV.</b>	25 Tipperah, " 21 "	0.60	Weather—hot. <i>Boro</i> rice harvest still in progress. Prospects of other crops good. Sporadic cholera reported.
	Brahmanbariah	0.81	
	Chandpur	1.10	
	26 Chittagong Hill Tracts, " 19 "	Nil	Weather—very hot throughout the week. <i>Joom</i> burning continues. Harvesting of tobacco and <i>chillies</i> nearly over. Public health fairly good.
	Hill Tipperah, " 20 "	3.72	Weather—hot and stormy. Sugarcane still being transplanted. <i>Aus</i> paddy commenced to be sown. Public health good.

No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.</b>			
<b>PATNA DIV.</b>	26 Patna, April 23, '87	Nil	Weather—hot with west wind. <i>Rubbee</i> threshing going on. Opium is being weighed. Sugarcane growing well. Public health generally good.
	27 Gaya, „ 23 „	Nil	Weather—hot; strong west wind blowing. Sugarcane coming on well. <i>Cheena</i> being harvested in places. Small-pox and fever reported from several stations.
	28 Shahabad, „ 23 „	Nil	Weather—hot with westerly winds. <i>Cheena</i> and sugarcane being sown and irrigated respectively. Opium season nearly closed; result not satisfactory; weighments under the estimate and outturn considerably below the average. Public health fair. Prices stationary.
	29 Durbhanga, „ 23 „	Nil	Weather—east wind prevailing. <i>Rubbee</i> harvest over. Rice, <i>moong</i> and indigo sowings doing well. Price of common rice averages 22 seers per rupee. Cholera prevailing in the town and Mochubani sub-division.
	30 Mozufferpore, „ 23 „	Nil	Weather—fine. Threshing of <i>rubbee</i> crops nearly finished. Early rice, indigo, <i>moong</i> , <i>cheena</i> and <i>janera</i> in good condition. Cholera, small-pox and fever reported from different localities.
	31 Saran, „ 23 „	Nil	Weather—strong west wind. Prospects of crops continue favourable. Sporadic cholera reported from Sonpore and Gorkha.
	32 Champaran, „ 23 „	Nil	Weather—hot in the day, but cold at night. Harvesting of <i>rubbee</i> crops nearly completed. Opium being weighed. Indigo doing well. Prices stationary. Sporadic cases of cholera reported from Bettiah; public health otherwise good.
<b>BHAGALPOUR DIV.</b>	33 Monghyr, April 23, „	Nil	Weather—seasonable. Threshing of <i>rubbee</i> has commenced. Lands are being prepared for <i>bhadoi</i> crops. Public health generally good. Prices stationary.
	34 Basugulore, „ 23 „	Nil	Weather—hot and seasonable. <i>Rubbee</i> outturn 12 to 14 annas all round. Ploughing going on. Low land sowings and sugarcane doing well. Mango prospects poor. Cholera worse in two thanas in the north.
	35 Purneah, „ 23 „	0.08	Weather—rather warm; very still. Jute and <i>bhadoi</i> sowings in progress. Late showers have been beneficial.
	36 Maldah, „ 23 „	0.54	Weather—warm; generally light easterly breezes. <i>Boro</i> paddy promises well, and is mostly in ear. <i>Bhadoi</i> sowings going on, and in some places seedlings are up. Common rice 24 to 28 seers per rupee. Public health generally good.
	37 Sonthal Pergna, „ 23 „	0.93	Weather—hot; west winds have set in, though late. Ploughing going on. Outturn of <i>rubbee</i> and <i>mahua</i> good. Except for measles and chicken-pox in Deoghur, and a little fever in Jamtara sub-division, public health good.
<b>ORISSA.</b>			
<b>ORISSA DIV.</b>	38 Cuttack, April 22, '87	0.86	Weather—hot. Reaping of <i>dalua</i> rice in progress. Ploughing goes on briskly everywhere. Rain wanted. Common rice 18 seers per rupee in town. Public health generally good.
	39 Poore, „ 21 „	Nil	Weather—hot. Rain is wanted. Lands are being manured. <i>Dalua</i> rice and <i>moong</i> are being harvested. Common rice 25 seers 14 chittacks per rupee in Sudder sub-division, and 24 seers 10 chittacks in Khoorda sub-division. Cases of cholera reported from the interior.
	40 Balasore, „ 22 „	0.52	Weather—hot. Ploughing in progress. A few sporadic cases of cholera and small-pox reported, public health otherwise good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
41 Hazaribaga, April 22, '87		Nil	Weather—seasonable. Sugarcane doing well. Some damage to <i>mahua</i> by storms and rain in parts of the district. Lands being ploughed. General health good.
42 Lohardugga, „ 23 „		0.03	Weather—getting very hot. Gathering of <i>rubbee</i> finished. Public health generally good.
43 Singbhoom, „ 22 „		Nil	Weather—very hot and dry with strong west wind; slight rain in Dhalbhoom. <i>Boro</i> paddy flowering. Early paddy being sown in parts. <i>Mahua</i> falling. Sugarcane being transplanted. Public health good.
44 Manbhoom, „ 16 „		0.05	Weather—hot with strong west winds. Sugarcane being planted. <i>Mahua</i> dropping. Severe cholera in Manbazar and Burabhoom.

Published for general information.

CALCUTTA, REVENUE DEPT.;  
The 26th April 1887.P. NOLAN,  
Secy. to the Govt. of Bengal.

The following Statement shows the Quantities of the Principal Staples of Traffic imported into Calcutta from the In during the month of December 1886.

## IMPORTS INTO CALCUTTA.

Whence imported.	FOOD-GRAINS.							FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.			Total.
	RICE AND PADDY.			Wheat.	Gram and pulses.	Other food-grains.	Total.	Jute, raw.	Gunny-bags.	Linseed.	Mustard-seed.				Drained.	Un-drained.	By-path.	
	Rice.	Paddy.	Total (in rice).															
<b>BENGAL.</b>																		
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	
Burdwan ...	1,51,250	1,493	1,52,743	5,020	5,937	...	1,61,140	1,786	14,160	1,848	755	526	...	191	100	275	...	
Beerbhoom ...	2,82,779	...	2,82,779	...	65	...	2,82,842	...	4,069	...	...	...	...	95	...	...	...	
Midnapore ...	1,17,842	21,983	1,31,581	...	...	...	1,31,881	424	...	...	142	...	...	4	...	285	188	
Hooghly ...	45,234	3,301	47,297	3,701	1,885	409	53,092	61,408	342,697	8,660	9,462	...	...	1,220	...	480	1,192	
24-Pergunnahs ...	3,12,450	28,275	3,30,122	396	77	...	3,30,595	5,082	332,341	425	...	...	...	2,124	...	7,920	39,978	
Nuddea ...	10,177	300	10,365	12,154	46,942	278	69,739	3,134	1,377	5,929	612	856	...	195	28	44	2,685	
Khulna ...	9,916	1,625	10,931	...	...	...	10,931	8,639	...	...	...	...	...	655	...	150	22,330	
Jessore ...	31,118	3,790	35,401	...	2,541	...	38,062	50,020	2,639	...	...	...	...	...	...	350	6,868	
Moorshedabad ...	41,762	...	41,762	7,476	18,135	781	68,150	4,715	825	1,843	476	...	...	...	...	...	...	
Dinapore ...	8,593	...	8,593	...	206	...	9,037	35,203	46,095	...	...	...	...	...	...	...	...	
Rajshahye ...	1,768	...	1,768	1,81	4,467	...	7,510	16,231	...	...	...	...	...	...	...	...	...	
Rungpore ...	154	...	154	...	63	...	217	1,65,513	235,235	...	...	...	...	...	...	...	...	
Bogra ...	16,173	...	16,173	...	...	...	16,173	580,339	...	...	1,914	...	...	...	...	...	...	
Pubna ...	1,014	...	1,014	397	5,959	...	7,310	3,50,238	...	...	...	...	...	8,311	...	...	...	
Darjeeling ...	...	...	...	...	...	...	...	...	750,680	...	...	...	...	12,233	...	...	...	
Jalpigoree ...	4	...	4	...	...	...	4	81,076	...	...	...	...	...	...	...	...	...	
Dacca ...	709	...	709	...	346	...	1,016	3,08,715	100	...	...	...	...	...	...	...	...	
Furzedpore ...	5,618	325	5,943	...	8,405	...	14,230	1,67,764	105	113	...	...	...	138	153	407	...	
Baekergunge ...	1,96,273	25	1,96,351	...	...	...	1,96,351	8,711	420	...	...	...	...	...	...	...	...	
Mymensingh ...	890	...	890	...	245	...	1,135	1,82,471	630	...	835	...	...	...	...	...	...	
Tipperah ...	459	...	459	...	...	...	459	...	...	...	...	...	...	...	...	...	...	
Chittagong ...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,419	...	...	...	
Noakholly ...	4,445	...	4,445	...	...	...	4,445	3,925	...	...	...	...	...	1,325	...	...	...	
<b>Total of Bengal ...</b>	<b>12,40,670</b>	<b>61,127</b>	<b>12,78,874</b>	<b>28,694</b>	<b>95,000</b>	<b>1,468</b>	<b>14,04,012</b>	<b>15,73,751</b>	<b>2,340,395</b>	<b>20,726</b>	<b>14,226</b>	<b>23,483</b>	<b>6,308</b>	<b>1,313</b>	<b>9,044</b>	<b>78,541</b>	<b>90</b>	
<b>BEHAR.</b>																		
	5	...	5	1,28,540	87,810	11,785	2,28,140	901	2,170	96,518	7,804	...	...	4	...	1,600	...	
Patna ...	...	...	...	23,441	...	...	23,441	...	...	1,862	274	...	...	3	...	2,000	...	
Gya ...	539	...	539	20,214	16,096	1,831	47,080	...	175	8,824	390	...	...	28	...	6,101	...	
Shahabad ...	...	...	...	1,110	250	...	1,360	...	315	3,252	1,950	...	...	...	...	...	...	
Mozufferpore ...	532	...	532	12,005	918	128	14,483	...	365	52,845	17,043	...	...	...	...	...	...	
Durbhanga ...	...	...	...	13,473	4,792	902	19,161	2,367	610	2,653	...	...	...	...	...	...	...	
Saran ...	6	...	6	11,751	...	...	11,757	...	35	22,762	6,344	...	...	...	...	...	...	
Chumpanur ...	210	...	210	57,111	31,178	...	88,509	...	280	3,512	5,005	...	...	...	...	...	...	
Monghyr ...	595	...	595	45,802	1,044	9,739	57,800	2,401	...	6,216	11,809	...	...	...	...	1,342	...	
Bhagulpore ...	244	...	244	1,408	3,761	602	6,005	4,215	42,020	4,900	10,555	...	...	...	...	...	...	
Purneah ...	992	...	992	5,328	3,698	681	10,699	6,758	...	321	...	...	...	...	...	...	...	
Malda ...	3,795	...	3,795	29,408	3,000	1,170	28,403	...	665	3,976	15,239	...	...	...	...	...	...	
Southal Pergunnahs.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
<b>Total of Behar ...</b>	<b>6,918</b>	...	<b>6,918</b>	<b>3,50,191</b>	<b>1,51,177</b>	<b>26,838</b>	<b>5,27,124</b>	<b>17,322</b>	<b>46,655</b>	<b>2,07,690</b>	<b>76,081</b>	<b>267</b>	<b>444</b>	<b>596</b>	<b>1,482</b>	<b>11,164</b>	<b>4</b>	
<b>ORISSA</b>																		
Balasore ...	26,436	4,651	29,343	...	...	...	29,343	4,442	400	...	...	...	...	39	...	...	...	
<b>CHOTA NAGPORE.</b>																		
Hazaribagh ...	...	...	...	...	7	...	7	...	525	...	271	563	...	262	...	...	...	
Manbhoom ...	1,506	...	1,506	...	269	...	1,775	...	6,543	...	...	...	...	63	...	...	...	
<b>Total of Chota Nagpore.</b>	<b>1,506</b>	...	<b>1,506</b>	...	<b>270</b>	...	<b>1,782</b>	...	<b>7,070</b>	...	<b>271</b>	<b>563</b>	...	<b>330</b>	...	...	...	
<b>Grand Total of supplies from the Provinces under the Lieutenant-Governor of Bengal.</b>	<b>12,75,530</b>	<b>65,778</b>	<b>13,16,641</b>	<b>3,78,795</b>	<b>1,48,519</b>	<b>28,306</b>	<b>19,72,261</b>	<b>15,95,515</b>	<b>2,394,460</b>	<b>2,28,422</b>	<b>90,578</b>	<b>24,315</b>	<b>6,762</b>	<b>2,278</b>	<b>10,526</b>	<b>84,705</b>	<b>90</b>	
<b>OTHER PROVINCES</b>																		
Assam ...	...	...	...	...	...	...	...	9,561	70	...	4,745	89,404	...	404	...	...	...	
North-Western Provinces and Oudh.	823	...	823	9,60,213	57,616	1,117	4,28,768	...	595	41,104	28,115	...	...	215	2,56,675	...	...	
Punjab ...	8	...	8	...	11,186	24	11,218	...	...	...	...	...	...	366	13,457	...	...	
Central Provinces ...	...	...	...	...	...	...	...	...	...	2,832	...	...	...	...	1,002	...	...	
Rajputana States ...	...	...	...	...	267	3	270	...	...	1,513	...	...	...	85	12,734	...	...	
Bombay ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11,982	...	...	
Madras ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,400	...	...	
British Burmah ...	6,897	...	6,897	...	22	...	6,919	...	600	...	...	...	...	1	519	...	...	
Other places ...	374	...	374	...	216	83	673	...	...	...	...	...	...	...	...	...	...	
<b>Grand Total of Imports in December 1886</b>	<b>12,83,631</b>	<b>65,778</b>	<b>13,24,742</b>	<b>7,48,008</b>	<b>3,17,826</b>	<b>20,633</b>	<b>24,20,109</b>	<b>16,05,076</b>	<b>2,395,725</b>	<b>2,73,731</b>	<b>1,23,438</b>	<b>1,14,448</b>	<b>3,05,024</b>	<b>2,405</b>	<b>47,013</b>	<b>95,749</b>	<b>90</b>	
<b>Grand Total of Imports in December 1885</b>	<b>12,87,090</b>	<b>61,776</b>	<b>13,28,690</b>	<b>1,96,564</b>	<b>2,27,724</b>	<b>23,245</b>	<b>17,73,223</b>	<b>19,61,191</b>	<b>1,850,944</b>	<b>1,52,404</b>	<b>86,854</b>	<b>75,627</b>	<b>1,67,423</b>	<b>1,803</b>	<b>36,923</b>	<b>68,215</b>	<b>90</b>	

\* One maund of paddy is equivalent to 25 seers of rice. | † Exclusive of bags obtained by local manufacture.

The Sea-borne Trade of Calcutta in these Staples during the month of December 1886, was as follows:—

EXPORTED FROM CALCUTTA—																	
To Indian ports, viz.—																	
Bombay ...	2,90,600	60	2,90,635	...	1,716	120	2,92,474	...	2,627,025	...	...	1,706	...	21	1,903	7	...
Other ports in Bombay ...	678	...	678	...	...	...	678	...	...	...	...	...	...	...	...	...	...
Sind ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madras ...	418	...	418	99	62,644	...	63,161	486	85,500	...	...	...	...	161	259	1	...
Other ports in Madras ...	...	...	...	...	...	...	...	...	251,410	...	...	...	...	...	...	...	...
British Burmah ...	2,07,399	4,338	2,16,110	26	3,095	...	2,13,231	6,331	645,020	...	...	...	...	6	87	608	...
Other Indian ports ...	2,688	...	2,688	1,403	26,253	1,450	31,834	80	1,041,700	...	...	...	...	6	823	422	...
Pondicherry ...	3	...	3	...	1,392	...	1,395	...	140,810	...	...	...	...	...	...	...	...
<b>Total of Inter-portal trade ...</b>	<b>5,01,790</b>	<b>4,393</b>	<b>5,04,539</b>	<b>1,768</b>	<b>95,080</b>	<b>1,670</b>	<b>6,02,957</b>	<b>6,887</b>	<b>4,808,885</b>	...	...	...	...	...	...	...	...
<b>Foreign ports—</b>	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
United Kingdom ...	95,366	...	95,366	4,71,679	15,861	...	5,82,806	12,60,291	542,600	3,87,757	53,727	1,30,922	80,741	678	...	...	...
Other Foreign ports ...	4,91,678	2,958	4,93,527	1,14,787	38,802	8,408	6,55,584	4,17,705	1,124,515	4,111	2,837	406	35,039	161	419	...	...
<b>Total of Foreign trade ...</b>	<b>5,87,044</b>	<b>2,958</b>	<b>5,88,883</b>	<b>5,86,366</b>	<b>54,723</b>	<b>8,408</b>	<b>12,38,990</b>	<b>16,77,996</b>	<b>1,637,315</b>	<b>391,808</b>	<b>50,564</b>	<b>1,31,328</b>	<b>1,21,780</b>	<b>839</b>	<b>419</b>	...	...
<b>Grand Total of Exports in December 1886</b>	<b>10,88,834</b>	<b>7,356</b>	<b>10,93,432</b>	<b>5,88,134</b>	<b>1,40,803</b>	<b>9,978</b>	<b>18,41,347</b>	<b>16,84,383</b>	<b>6,476,180</b>	<b>391,898</b>	<b>56,580</b>	<b>1,35,150</b>	<b>1,22,139</b>	<b>1,033</b>	<b>3,996</b>	<b>803</b>	...
<b>Grand Total of Exports in December 1885</b>	<b>8,18,636</b>	<b>4,063</b>	<b>8,21,175</b>	<b>2,49,657</b>	<b>65,603</b>	<b>11,753</b>	<b>11,48,088</b>	<b>15,38,092</b>	<b>5,292,627</b>	<b>3,17,343</b>	<b>33,015</b>	<b>98,881</b>	<b>83,437</b>	<b>806</b>	<b>3,654</b>	<b>620</b>	...



The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic imported into Calcutta during the month of December 1886.

## IMPORTS INTO CALCUTTA.

SPECIFICATION OF ROUTES.	FOOD-GRAINS.					FIBROUS PRODUCTS.		OILSEEDS.		Tea, Indian.	Cotton, raw.	Silk, raw.	SUGAR.		TOBACCO.	
	Rice.	Paddy.	Wheat.	Gram and pulses.	Other food-grains.	Jute, raw.	Gunny-bags.	Linseed.	Mustard seed.				Drained.	Un-drained.	Bis. path.	Other kinds.
	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	No.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.	Mds.
Country boats	7,04,084	54,654	40,218	92,985	6,391	6,13,165	726,980	37,109	44,785	.....	5,672	198	1,093	36,702	5	9,849
River steamers	16,923	165	15,061	327	.....	3,28,602	.....	2,857	4,783	77,791	614	91	1,292	11	.....	20
East Indian	4,32,875	79	6,90,289	2,02,152	23,059	.....	31,500	2,31,768	73,382	2,022	2,84,292	1,472	319	11,843	.....	711
Railway.	33,060	.....	2,044	22,124	.....	5,96,399	1,612,590	1,997	488	33,213	218	547	.....	4,835	903	10,332
Eastern Bengal State Railway.	65,811	8,503	596	.....	.....	62,880	23,655	.....	.....	.....	88	.....	7,991	31,718	.....	7,257
Grand total of imports in December 1886	12,83,631	65,778	7,48,008	3,17,826	29,533	16,05,076	2,595,725	2,73,731	1,23,438	1,14,446	3,02,024	2,405	47,013	95,740	908	28,438
Grand total of imports in December 1885	12,87,080	61,776	9,96,564	2,27,224	23,245	19,61,191	1,850,944	1,62,404	86,834	75,627	1,67,423	1,803	36,923	68,215	2,097	35,711

The following Statement shows the Values, Quantities, and Numbers of the Principal Staples of Traffic exported Inland from Calcutta during the month of December 1886.

## EXPORTS FROM CALCUTTA.

Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.	Whither exported.	Cotton piece-goods.		Cotton twist.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.				European.	Indian.	European.	Indian.		
BENGAL.	Rs.	Rs.	Mds.	Mds.	Mds.	No.	CHOTA NAGPORE.	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Barrackpore	2,88,197	1,540	528	1,388	33,105	145,968	Hazareebagh	52,731	1,100	1	205	4,522	2,170
Berhampore	1,85,976	560	117	488	16,371	202,370	Manbhoom	1,18,314	1,320	38	2,112	9,704	3,605
Calcutta	1,86,389	.....	2,102	.....	2,280	32,974	Total of Chota Nagpore	1,71,045	2,420	39	2,317	14,226	5,775
Dumraon	1,18,152	1,310	667	19	1,894	102,912	Grand Total of supplies into the provinces under the Lieutenant-Governor of Bengal.	75,83,068	66,858	16,696	8,931	8,06,749	1,363,965
Faridkot	1,06,784	8,458	47	.....	13,600	28,519	OTHER PROVINCES.						
Guwahati	3,68,914	.....	2,168	.....	52,412	31,737	Assam	3,59,611	660	210	81	53,157	868
Imphal	1,21,620	.....	504	.....	8,216	105	North-Western Provinces	22,72,914	7,920	5,447	2,063	54,876	530,513
Itanagar	1,59,637	.....	573	.....	23,245	2,085	Punjab	8,63,226	2,800	1,308	.....	.....	154,630
Kanchi	88,314	.....	173	22	14,007	11,585	Central Provinces	27,783	.....	159	.....	.....	111,065
Kanpur	1,76,682	1,650	61	.....	9,199	6,370	Rajputana States	42,777	.....	208	.....	.....	33,320
Kharagpur	2,61,050	110	359	.....	15,367	2,660	Berar	1,575	.....	.....	.....	.....	2,627,025
Kolkata	1,61,452	.....	46	.....	5,386	19,215	Bombay	3,770	220	.....	.....	.....	894,430
Kolkata	2,63,966	.....	293	.....	88,298	66	Madras	91,758	.....	1,618	.....	.....	85,500
Kolkata	86,729	660	32	.....	1,246	315	Sind	.....	.....	.....	.....	.....	19,400
Kolkata	87,624	220	210	.....	7,802	560	Pondicherry	.....	.....	.....	.....	.....	1,641,700
Kolkata	10,23,466	770	2,181	42	52,801	5,610	British Burmah	3,53,527	2,606	393	.....	.....	1,607,315
Kolkata	4,39,880	.....	1,672	.....	37,588	6,405	Other places	20,199	2,880	11	2,343	.....	.....
Kolkata	1,05,821	.....	559	.....	37,175	1,890	Grand Total of Exports in December 1886	1,10,29,208	81,407	28,434	14,557	9,14,872	8,529,711
Kolkata	1,28,125	.....	166	.....	33,264	.....	Grand Total of Exports in December 1885	1,24,63,721	2,34,144	27,462	11,907	9,43,313	7,387,959
Kolkata	2,500	.....	.....	.....	3,425	.....							
Kolkata	1,52,310	.....	153	.....	57,500	.....							
Kolkata	18,492	.....	.....	.....	4,100	.....							
Total of Bengal	46,48,034	15,208	12,942	1,959	4,51,807	671,615							
BEHAR.													
Patna	3,70,400	10,890	273	367	1,05,082	175,590							
Patna	88,310	2,530	52	672	11,729	17,360							
Patna	3,20,922	.....	30	750	23,458	51,780							
Patna	87,759	110	.....	18	6,186	1,680							
Patna	5,29,830	1,540	61	631	54,900	88,145							
Patna	2,26,737	.....	12	60	6,904	16,800							
Patna	2,60,757	5,830	23	116	24,250	28,125							
Patna	1,78,705	8,250	9	488	14,791	66,830							
Patna	1,71,731	1,700	83	217	17,057	83,000							
Patna	1,46,864	.....	77	222	19,191	5,545							
Patna	500	.....	.....	.....	22,021	1,550							
Patna	2,92,761	18,260	116	800	20,430	66,830							
Total of Behar	26,63,339	49,170	736	4,341	3,23,009	603,255							
ORISSA.													
Cuttack	.....	.....	.....	.....	.....	2,500							
Cuttack	.....	.....	.....	.....	.....	5,350							
Cuttack	1,00,650	.....	2,979	314	15,707	75,460							
Total of Orissa	1,00,650	.....	2,979	314	15,707	83,310							

\* As per tariff declaration value.

The following Statement shows the several Routes followed by the Trade in the Principal Staples of Traffic exported from Calcutta during the month of December 1886.

SPECIFICATION OF ROUTES.	COTTON PIECE-GOODS.		COTTON TWIST.		Salt.	Gunny-bags.
	European.	Indian.	European.	Indian.		
	Rs.	Rs.	Mds.	Mds.	Mds.	No.
Country boats	3,68,332	900	4,178	.....	4,08,243	296,468
River steamers	7,42,861	.....	832	198	33,607	47,023
East Indian Railway	65,46,284	64,796	8,638	1,410	3,61,607	1,634,990
Eastern Bengal State Railway	39,37,608	4,290	6,580	.....	92,111	69,510
Grand total of Exports in December 1886	2,34,934	8,588	7,407	2,049	3,487	5,540
Grand total of Exports in December 1885	7,10,169	2,889	.....	.....	15,707	6,476,189
Grand Total of Exports in December 1886	1,16,29,208	81,407	28,434	14,557	9,14,782	8,529,711
Grand Total of Exports in December 1885	1,24,63,721	2,34,144	27,462	11,907	9,43,313	7,387,959

STATISTICAL DEPARTMENT,  
The 22nd April 1887.

P. NOLAN,  
Secretary to the Govt. of Bengal.

## Meteorological Report of the Province of Bengal

METEOROLOGICAL DIVISION.			STATION OBSERVATIONS.													
			AIR PRESSURE.			WIND.			TEMPERATURE.							
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	Mean 10 A. M. temperature.
DISTRICT.	Representative station.															
ORISSA.	Pooree	Gopalpore	29.759	29.809	—	SSW	233	87.7	19th, 21st April.	77.8	16th April	86.8	79.1	83.0	—	
		False Point	29.790	29.808	—0.059	SSW	305	91.0	22nd ..	70.1*	16th ..	88.1*	77.2*	82.7*	—1.6	
	Cuttack	Cuttack	29.719	29.799	—0.048	WSW	113	106.9	22nd ..	71.8	16th ..	102.4	76.6	89.5	—0.2	
SOUTH-WEST BENGAL.	Balasore	Balasore	29.7359	29.7939	—	S & SW	76.1	102.1	21st, 22nd April.	72.8	16th ..	93.89	75.5	84.79	—	
	South-West Midnapore	Saugor Island	29.777	29.803	—0.063	SSW	281	94.2	22nd ..	75.5	16th ..	91.3	79.8	85.5	+1.0	
	South 24-Pergunnahs	Midnapore	29.630	29.779	—	Southerly	112.9	106.9	22nd ..	69.3	16th ..	96.8	75.2	87.5	—	
	24-Pergunnahs	Howrah	29.762	29.784	—0.075	WSW	144	101.9	22nd ..	71.2	16th ..	96.2	75.5	85.9	+0.2	
	Hooghly	Burdwan	29.678	29.778	—0.053	WSW	73.9	104.1	21st ..	71.2	16th ..	98.4	75.19	86.79	—1.79	
	Burduwan	Bankoora	29.444	—	—	NW	40	105.6	22nd ..	66.7	17th ..	99.0	75.6	87.3	—	
	Beerbhoom	Raneegunge	29.447	—	—	Westerly	87.4	105.8	22nd ..	70.4	17th ..	99.6	74.9	86.8	—	
	West Burdwan	Berhampore	29.699	29.766	—0.063	SW	93.1	102.2	21st ..	71.3	17th ..	96.8	74.8	85.8	—2.1	
	Moorshedabad	Krishnagur	29.720	—	—	WSW	90.3	101.8	21st ..	71.4	22nd ..	97.0	74.7	85.9	—	
	Nuddea	Jessore	29.751	29.784	—0.070	W	79.3	103.8	21st ..	71.4	18th ..	93.2	76.3	87.3	+1.4	
	Jessore	Khoolna	29.744	29.833	—0.072	S	86	92.2	19th ..	70.0	19th ..	89.9	74.7	82.3	+0.6	
EAST BENGAL.	Chittagong	Chittagong	29.744	29.833	—0.072	S	86	92.2	19th ..	70.0	19th ..	89.9	74.7	82.3	+0.6	
	Chittagong Hill Tracts	Demagiri							Observations not received.							
	Backergunge	Barrisal	29.786	29.798	—	S	125.7	95.3	20th April	71.9	20th ..	92.7	74.6	83.6	—	
	Noakholly	Noakholly	29.772	29.825	—	Calm	21.1	91.5	18th ..	69.3	19th ..	89.9	74.1	82.0	—	
	Furreedpore	Furreedpore	29.759	—	—	S	93	90.5	21st ..	70.9	18th ..	86.9	72.6	79.3	—	
	Dacca	Dacca	29.781	29.803	—0.050	SSE	130	94.1	17th, 19th April.	70.6	19th ..	93.2	74.9	84.1	+0.7	
	Tipperah	Comillah	29.8019	29.8369	—	SE	157.7	94.3	16, 19, 21, 22 April.	69.8	17th ..	93.9	73.6	83.8	—	
	Mymensingh	Mymensingh	29.767	—	—	SE	111	91.3	22nd ..	69.1	17th ..	89.7	71.9	80.8	—	
	Bogra	Bogra	29.762	29.765	—	ESE	105.7	96.3	19th ..	70.1	17th ..	94.3	74.2	84.3	—	
	Pabna	Serajunge	29.734	29.781	—	ESE	115.1	95.1	22nd ..	69.5	19th ..	93.9	73.3	85.6	—	
	Rajshahye	Rampore Beau-leah.	29.689	29.758	—	Southerly	72.4	99.4	19th, 21st April.	68.7	17th ..	96.5	75.19	85.89	—	
NORTH BENGAL.	Maldah	Maldah	29.694	—	—	Calm	15.6	98.6	22nd ..	69.2	17th ..	96.8	74.0	85.4	—	
	Dinagopore	Dinagopore	29.663	29.784	—	ENE	88.9	94.6	17th, 19th, 22nd April.	68.1	17th ..	93.8	73.3	83.1	—	
	Rungpore	Rungpore	29.665	29.790	—	E	90.3	93.8	22nd ..	66.7	17th ..	91.4	71.1	81.3	—	
	Julpigoree	Julpigoree	29.527	29.815	—	?	102.9	92.0	21st ..	68.8*	16th ..	88.8*	72.2*	80.5*	—	
	Cooch Behar															
	Darjeeling Hill Districts	Darjeeling	22.963	—	—0.027	Calm	116.9	63.5	21st ..	42.2	16th ..	69.7	49.3	55.0	—0.7	
	Purneah	Purneah	29.640	29.774	—0.054	Calm & NE.	16.8	98.3	22nd ..	67.7	17th ..	95.1	73.2	84.29	—0.29	
	North Bhagulpore															
	Mozufferpore	Mozufferpore							Observations suspended.							
	Durbhunga	Durbhunga	29.598	29.765	—0.046	ESE	118	97.2	22nd April	71.5	16th ..	93.8	74.6	84.2	—0.5	
	Chumparun	Motihar	29.524	29.751	—	ESE	151.1	98.3	22nd ..	69.5	19th ..	94.5	71.0	82.8	—	
	Sarun	Chupra	29.558	—	—	Westerly	138.6	102.5	21st, 22nd April.	73.2	21st ..	98.1	73.8	80.0	—	
SOUTH BENGAL.	Shahabad	Dehree	29.424	29.770	—	W	253.0	100.5	20th ..	72.5	17th ..	97.9	78.7	88.3	—	
		Buxar	29.515	29.753	—	NW	181.1	103.4	22nd ..	73.8	22nd ..	100.6	76.4	88.0	—	
		Arrah	29.559	29.733	—	W	118.6	104.9	20th ..	73.6	16th, 20th, 22nd April.	101.7	74.3	83.0	—	
	Gya	Gya	29.379	29.748	—0.058	W	124.2	106.2	22nd ..	76.6	17th ..	102.8	79.6	91.2	+1.9	
	Patna	Bankipore	29.572	29.753	—0.056	WNW	82.9	105.0	21st ..	71.2	19th ..	100.8	73.9	87.3	—	
	South Bhagulpore	Bhagulpore	29.587	29.748	—	NE	57	98.4	22nd ..	73.0	17th ..	95.5	74.0	85.0	—	
	Monghyr															
	Sonthal Pergunnahs	Doomka	29.255	—	—	Calm	36.3	104.7	21st ..	72.8	17th ..	100.0	76.9	88.0	—	
	Hazariabagh	Hazariabagh	27.801	29.752	—0.050	WNW	291.7	99.3	21st, 22nd April.	70.7	17th ..	97.5	75.4	85.5	+1.0	
	Lohardugga	Ranchoe	27.677	29.746	—	NW	204.3	100.0	22nd ..	67.7	17th ..	97.4	73.0	85.2	—	
	Manbhoom															
	Singbhoom	Chyebassa	29.011	—	—	SSW	63.3	107.6	22nd ..	73.6	17th ..	104.8	77.4	91.1	—	

Explanation. — Summary. — The normal means of air pressure and temperature are the arithmetical averages or means of the reading during the same period for the same years. The humidity of the atmosphere is expressed as a percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numbers are the numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the past year. A rainy day is one on which at least hundredth of an inch fell.

\* Mean for six days.

for the week ending Friday, the 22nd April 1887.

DISTRICT OBSERVATIONS.														Representative station.	District.	METEOROLOGICAL DIVISION.
Average humidity at 10 A.M.	Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.													
			Of week.		Since 1st of Month.			Since 15th May 1886.			Average number of rainy days.	Normal number of rainy days.				
			Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.						
77	0.4	Nil	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	ORISSA.	
81	2.4	0.44	0.12	0.30	0.19	0.86	-0.67	62.15	58.56	+3.59	0.5	0.6	False Point	...		
88	1.4	0.93	0.38	0.48	0.88	0.82	+0.06	66.57	54.50	+12.07	0.6	0.7	Cuttack	...		
81	0	0.20	0.09	0.52	0.89	1.15	-0.26	60.93	57.28	+3.65	0.2	0.9	Balasore	...		
80	4.4	Nil	Nil	0.64	0.62	1.04	-0.42	55.08	66.87	-11.79	0.0	0.9	Saugor Island	...	SOUTH-WEST BENGAL.	
48	1.0	0.50	0.15	0.59	1.09	0.97	+0.12	50.25	55.61	-5.36	0.7	0.8	Midnapore	...		
55	0.9	Nil	0.01	0.40	1.07	1.03	+0.04	61.92	55.75	+6.17	0.1	1.0	Calcutta	...		
40	0.7	0.07	0.02	0.41	1.33	1.14	+0.19	58.52	49.89	+8.63	0.7	1.0	Burdwan	...		
41	0	0.39	0.12	0.30	1.51	0.51	+1.00	56.38	54.56	+1.82	1.0	0.6	Bankoora	...	SOUTH-WEST BENGAL.	
37	0	0.07	0.02	0.26	1.84	0.70	+1.14	70.51	54.11	+16.40	0.2	0.6	Raneegunge	...		
37	0	Nil	0.06	0.24	0.77	0.86	-0.09	64.79	51.46	+13.33	0.3	0.6	Berhampore	...		
43	1.0	Nil	0.04	0.57	1.03	1.70	-0.67	61.26	53.52	+7.74	0.2	1.0	Krishnaghur	...		
66	3.0	Nil	0.05	0.76	0.43	1.93	-1.50	64.08	58.78	+5.30	0.3	1.4	Jessore	...	SOUTH-WEST BENGAL.	
62	6.7	0.04	Nil	0.59	Nil	1.37	-1.37	133.38	117.83	+15.55	0.0	0.8	Chittagong	...		
73	1.7	2.21	0.62	0.93	0.76	1.88	-1.12	82.39	83.09	-0.70	0.8	1.5	Barrisal	...		
48	1.9	0.08	0.12	0.71	0.28	2.57	-2.29	128.82	118.78	+10.04	0.3	1.3	Noakholly	...		
48	0	0.55	0.34	0.50	0.91	2.10	-1.19	68.25	61.94	+4.31	0.7	1.5	Furreedpore	...	SOUTH-WEST BENGAL.	
72	4.6	1.22	0.84	0.91	0.94	2.70	-1.76	82.51	65.19	+17.32	1.0	1.7	Dacca	...		
71	4.0	0.58	1.81	1.07	1.97	3.00	-1.63	86.10	78.90	+7.20	1.5	1.7	Commillah	...		
83	4.1	0.54	0.96	0.89	1.53	2.03	-0.50	74.04	72.38	+1.66	2.0	1.8	Mymensingh	...		
86	1.0	0.04	0.13	0.52	0.24	1.00	-0.76	70.77	59.07	+11.70	0.3	1.1	Bogra	...	SOUTH-WEST BENGAL.	
70	2.6	0.26	0.48	0.62	0.80	1.71	-0.91	66.41	57.62	+8.79	1.0	1.5	Sernagunge	...		
61	0	0.25	0.10	0.29	0.30	1.63	-0.73	63.13	56.49	+6.64	0.5	0.7	Rampore Beaulah	...		
88	0	0.54	0.27	0.18	1.33	0.66	+0.67	64.78	55.52	+9.26	0.5	0.4	Maldah	...		
70	4.0	0.75	0.15	0.39	0.59	0.56	+0.03	76.34	53.34	+21.00	0.4	0.8	Dinapore	...	SOUTH-WEST BENGAL.	
62	0.4	0.98	0.87	0.69	1.24	1.70	-0.46	77.66	76.92	+0.74	2.0	1.2	Rungpore	...		
72	5.3	1.91	1.67	0.92	2.31	2.24	+0.07	115.13	114.99	+0.14	3.8	1.4	Julpigoree	...		
66	0.76	1.24	0.93	3.81	2.55	+1.26	147.91	122.25	+25.66	3.5	1.9	Darjeeling	...			
61	0.1	Nil	0.02	0.22	1.12	0.56	+0.56	82.00	58.27	+23.73	0.2	0.4	Purneah	...	SOUTH-WEST BENGAL.	
64	0	Nil	0.12	0.57	0.34	+0.23	62.53	48.38	+19.15	0.0	0.2	Mozufferpore	...			
64	0	Nil	0.16	0.49	0.34	+0.35	63.89	44.23	+19.66	0.0	0.4	Durbhunga	...			
69	0.9	Nil	0.04	0.80	0.39	+0.41	62.96	46.74	+16.22	0.0	0.2	Motihari	...			
64	0	Nil	0.03	0.42	0.19	+0.32	63.64	42.33	+21.31	0.0	0.2	Chupra	...	SOUTH-WEST BENGAL.		
64	0	Nil	0.03	0.72	0.12	+0.60	57.60	40.37	+17.23	0.0	0.2	Buxar	...			
64	0	Nil	0.10	0.66	0.17	+0.49	67.18	41.18	+26.00	0.0	0.3	Gya	...			
64	0	Nil	0.07	0.26	0.16	+0.10	62.49	41.27	+21.22	0.0	0.3	Bankipore	...			
63	0.3	Nil	0.19	0.75	0.36	+0.39	62.81	43.55	+19.46	0.0	0.4	Bhagulpore	...	SOUTH-WEST BENGAL.		
64	0	Nil	0.08	0.21	1.19	0.45	+0.74	73.51	50.41	+23.40	0.3	0.5	Doomka		...	
64	0	Nil	0.07	0.66	0.23	0.14	+0.09	59.19	51.66	+7.46	0.2	0.2	Hazaribagh		...	
64	0	Nil	0.08	0.14	0.82	0.42	+0.40	51.26	40.57	+1.69	1.0	0.6	Ranehee		...	
64	0	Nil	0.39	0.17	0.61	-0.44	44.09	54.84	-10.75	0.6	1.0	Chyabassa	...	SOUTH-WEST BENGAL.		
64	0	Nil	0.39	0.17	0.61	-0.44	44.09	54.84	-10.75	0.6	1.0	Singbhoom	...			
64	0	Nil	0.39	0.17	0.61	-0.44	44.09	54.84	-10.75	0.6	1.0	Manbhoom	...			
64	0	Nil	0.39	0.17	0.61	-0.44	44.09	54.84	-10.75	0.6	1.0	Lohardugga	...			

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.  
 The cloud amount represents the part of the sky covered, the whole sky being denoted by 10. Under the head "District observations of rainfall, the normal mean  
 The means of the district are the numerical averages of the rainfall return received in the district, i.e., from the total rainfall at the sub-divisional



## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 22nd of April 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rain-fall since 1st of month.	Average total rain-fall from 1st of month.	Total rain-fall since 15th May 1886.	Average rainfall from 15th May to date.
			Saturday, 16th April.	Sunday, 17th April.	Monday, 18th April.	Tuesday, 19th April.	Wednesday, 20th April.	Thursday, 21st April.	Friday, 22nd April.	Number of rainy days.	of Rainfall week.				
ORISSA	Pooree	Pooree	0.02							1	Nil	0.28	0.29	55.18	53.75
		Khurdah								1	Nil	0.02	0.50	66.61	59.21
		Banpur								1	Nil	0.04	0.50	66.57	59.21
		False Point	0.44							1	Nil	0.44	2.06	60.03	60.03
		Gop								1	Nil	Nil	?	60.29	?
		Pipli								1	Nil	Nil	?	?	?
	Cuttack	Jagatsingapore								1	Nil	0.50	0.41	70.16	53.46
		Bauki								1	Nil	0.40	0.17	63.00	52.33
		Cuttack								1	1.00	1.00	0.90	70.03	58.41
		Kendrapara	1.00							1	Nil	0.40	0.92	50.44	51.38
		Jaipore								1	Nil	0.57	?	65.16	56.79
SOUTH-WEST BENGAL.	Balasore	Dharmasalla								1	0.95	0.95	?	?	?
		Salipore	0.95							1	Nil	0.13	0.90	55.14	57.31
		Chandbali								1	Nil	3.65	1.41	64.29	55.51
		Bhuddruck								1	Nil	0.26	1.23	61.97	55.59
		Sorah								1	0.52	0.67	1.88	64.23	63.03
	Midnapore	Balasore			0.52					1	Nil	0.40	0.69	64.21	54.99
		Jellapore								1	Nil	0.20	0.80	55.63	58.11
		Baripaddah								1	Nil	0.30	0.91	44.31	60.46
		Contai								1	Nil	1.16	0.77	60.30	70.46
		Saugor Island								1	Nil	0.30	0.94	47.30	53.33
SOUTH-WEST BENGAL.	24-Pergunnahs	Tunlook								2	0.46	1.97	0.73	45.02	62.07
		Midnapore	0.34		0.12					1	Nil	0.99	1.23	54.82	59.41
		Ghattal								1	Nil	Nil	?	42.87	?
		Devop								1	Nil	0.35	?	48.90	?
		Heria								1	Nil	Nil	?	43.50	?
	Bhagwanpore	Garbeta			0.81					1	0.81	1.91	?	52.69	?
		Diamond Har-								1	Nil	0.40	1.43	54.63	63.01
		bour								1	Nil	0.08	?	60.69	?
		Canning Town								1	Nil	0.50	1.02	60.93	59.06
		Alipore Jail								1	Nil	1.08	0.91	60.91	58.14
SOUTH-WEST BENGAL.	Howrah	Barrackpore								1	Nil	0.54	1.06	57.85	60.28
		Dum-Dum								1	Nil	1.14	0.96	64.53	58.11
		Barnet								1	Nil	0.87	0.85	71.22	58.11
		Buseerhat								1	Nil	0.24	1.37	55.58	50.28
		Howrah			0.14					1	0.14	0.50	0.91	57.38	56.79
	Hooghly	Mohesreka (Ootuberiah)								1	Nil	1.17	1.02	65.89	53.91
		Serampore								1	Nil	1.82	1.13	59.68	57.79
		Hooghly								1	Nil	2.88	1.05	65.06	54.53
		Jehanabad								1	Nil	1.46	1.16	57.64	60.70
		Burdwan								1	Nil	1.27	1.20	58.42	51.79
SOUTH-WEST BENGAL.	Burdwan	Cutwa			0.06	0.01				1	Nil	1.26	1.04	54.50	54.99
		Rancegunge	0.07							1	0.07	1.87	0.72	68.54	59.01
		Monkur								1	Nil	1.80	?	55.50	?
		Bankoora	0.37	0.02						2	0.39	2.13	0.82	54.62	59.01
		Bishenpore			0.04					1	0.04	1.53	0.74	54.42	53.79
SOUTH-WEST BENGAL.	Bankoora	Mallara								1	Nil	0.86	0.24	59.72	59.01
		Khatra	0.05							1	0.05	1.54	0.23	57.55	58.11
		Indas								1	Nil	1.52	?	53.16	?
		Kotalpore								1	Nil	2.23	?	46.56	?
		Anda				0.40				1	0.40	1.80	?	41.96	?
	Beerbhoom	Gangajalhati								1	Nil	0.80	?	57.68	?
		Kaipore			0.32					1	0.32	0.77	?	50.81	?
		Sonamukhi								1	Nil	1.02	?	40.01	?
		Bh. Soory								1	Nil	1.48	0.52	71.57	59.01
		Hetampore								1	Nil	1.28	0.63	60.94	58.11
SOUTH-WEST BENGAL.	Nuddea	Rampore Haut								1	Nil	2.69	0.94	71.67	58.11
		Boipore								1	Nil	0.42	?	65.94	?
		Ranaghat								1	Nil	1.67	1.83	55.13	59.01
		Kishnaghat								1	Nil	0.38	1.64	54.77	58.11
		Choudanga								1	Nil	1.48	1.69	61.39	58.11
	Khoolna	Meherpore								1	Nil	1.50	1.79	61.20	58.11
		Kooshtea			0.20					1	0.20	0.40	1.57	73.86	58.11
		Satkhira								1	Nil	0.23	1.54	61.78	58.11
		Bagarhat								1	Nil	Nil	2.31	80.83	60.70
		Khoolna								1	Nil	0.35	2.00	53.51	58.11
SOUTH-WEST BENGAL.	Jessore	Narail	0.08							1	0.08	0.25	1.68	55.36	58.11
		Jessore								1	Nil	0.32	1.91	60.64	58.11
		Jhenidah								1	Nil	0.75	2.15	65.03	58.11
		Magoorah			0.31					1	0.31	1.33	2.24	69.02	58.11
		Bongong								1	Nil	0.21	1.51	57.61	58.11
	Moorshedabad	Kandi								1	Nil	1.22	1.02	58.52	58.11
		Berhampore								1	Nil	0.87	0.92	64.10	58.11
		Lalbagh								1	Nil	0.25	0.07	65.80	58.11
		Azingunge			0.03					1	0.03	0.58	1.00	66.86	58.11
		Jungipore								1	Nil	0.60	0.82	70.94	58.11
SOUTH-WEST BENGAL.	Chittagong	Lalkola			0.34					1	0.34	1.11	0.71	62.40	58.11
		Akhriganj								1	Nil	0.45	?	?	?
		Cox's Bazar								1	Nil	Nil	1.08	135.70	58.11
		Chittagong								1	Nil	Nil	1.94	130.42	58.11
		Autubdia								1	Nil	Nil	?	122.37	58.11
	Chittagong Hill Tracts.	Satkanya								1	Nil	Nil	?	118.45	58.11
		Rangamati								1	Nil	Nil	2.08	106.51	58.11
		Ruma								1	Nil	Nil	2.57	89.76	58.11
		Patuakhally								1	Nil	0.15	1.36	85.44	58.11
		Perozapore								1	Nil	Nil	1.05	81.86	58.11
SOUTH-WEST BENGAL.	Hackerungunge	Burrisal								1	Nil	2.45	2.49	70.23	58.11
		Bhola				0.35				1	0.35	0.40	2.30	92.09	58.11
		Patuakhally								1	Nil	0.15	1.36	85.44	58.11
		Perozapore								1	Nil	Nil	1.05	81.86	58.11
		Burrisal								1	Nil	2.45	2.49	70.23	58.11
	Hackerungunge	Bhola				0.35				1	0.35	0.40	2.30	92.09	58.11
		Patuakhally								1	Nil	0.15	1.36	85.44	58.11
		Perozapore								1	Nil	Nil	1.05	81.86	58.11
		Burrisal								1	Nil	2.45	2.49	70.23	58.11
		Bhola				0.35				1	0.35	0.40	2.30	92.09	58.11

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 22nd of April 1887—contd.

Geographical Division.	District.	Station.	RAINFALL.							TOTAL		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1886.	Average rainfall from 15th May to date.	
			Saturday, 16th April.	Sunday, 17th April.	Monday, 18th April.	Tuesday, 19th April.	Wednesday, 20th April.	Thursday, 21st April.	Friday, 22nd April.	Number of rainy days.	of Rainfall week.					
NORTH-BENGAL DIVISION.	Noakholly ..	Gournaddi Bauphal ...	.....	.....	.....	0'46	0'58	.....	.....	2	1'04	1'28	?	60'82	?	
		Noakholly ..	.....	.....	.....	0'06	.....	.....	.....	1	0'06	0'08	?	87'88	?	
		Fenny ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'24	2'31	119'13	115'27	
		Harishpore ..	.....	.....	.....	0'46	.....	.....	.....	1	0'46	0'33	2'81	138'69	114'92	
	Farredpore..	Ramganj ..	.....	.....	.....	0'86	.....	.....	.....	1	0'86	0'86	?	147'41	?	
		Madaripore ...	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2'49	72'26	62'44	
		Furzedpore... ..	.....	.....	0'38	.....	.....	.....	.....	1	0'38	0'38	1'97	63'76	64'44	
	Dacca ..	Goalundo ..	.....	.....	0'65	.....	.....	.....	.....	1	0'65	2'37	1'85	62'76	59'06	
		Munshigunge ..	.....	.....	.....	0'79	.....	.....	.....	1	0'79	0'86	3'30	101'67	79'04	
		Dacca ..	.....	.....	1'21	.....	.....	.....	.....	1	1'21	1'21	2'82	73'25	65'34	
		Naraingunge ..	.....	.....	.....	0'85	.....	.....	.....	1	0'85	0'85	2'50	89'85	60'67	
	Hill Tipperah	Manickgunge ..	.....	.....	0'51	.....	.....	.....	.....	1	0'51	0'81	2'17	65'31	53'86	
Joydebporo ...		0'43	.....	1'20	.....	.....	.....	.....	2	2'33	2'33	?	79'52	?		
Agartola ..		.....	.....	.....	3'72	1'15	.....	.....	2	4'87	4'87	2'35	78'10	69'89		
Comilla ..		.....	.....	.....	0'69	.....	.....	.....	2	0'69	0'81	3'36	94'13	83'08		
Chandpore ..		.....	.....	.....	1'10	.....	.....	.....	1	1'10	1'49	3'26	94'15	88'53		
Brahmunberia ..		.....	.....	0'67	.....	.....	.....	.....	1	0'67	0'8	3'02	78'01	71'79		
Ramchandra-pore.		.....	.....	0'29	.....	.....	.....	.....	1	0'29	0'52	?	72'03	?		
Nasirnagar ..		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'10	?	63'57	?		
Daudkandi ..		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	77'02	?		
Kasba ..		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	73'39	?		
Mymensingh.	Laksham ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	92'54	?		
	Kishoreganj ..	0'54	.....	0'56	.....	.....	.....	.....	.....	2	1'10	3'01	2'57	81'50	76'05	
		Atia (Tangail ..	0'67	.....	0'61	.....	.....	.....	.....	2	1'28	1'28	1'61	60'17	60'59	
		Mymensingh ..	.....	0'25	0'11	.....	.....	.....	.....	1	0'36	0'66	2'34	77'59	79'84	
		Jamulpore ..	0'15	.....	0'69	.....	.....	.....	.....	2	0'84	1'28	1'72	65'10	70'46	
		Netrokona ..	0'30	.....	0'2	.....	.....	.....	.....	2	1'22	1'22	1'09	85'87	74'74	
		Subornakhally ..	.....	.....	0'68	.....	.....	.....	.....	1	0'68	0'97	?	53'14	?	
		Durgapore ..	0'57	.....	.....	.....	.....	.....	.....	1	0'57	0'87	?	?	?	
		Deuaganj ..	1'01	.....	.....	.....	.....	.....	.....	1	1'01	1'10	?	66'07	?	
	Pubna ..	Pubna ..	.....	.....	0'72	.....	.....	.....	.....	1	0'72	1'03	1'82	70'02	58'76	
		Seraigunge ..	.....	.....	0'25	.....	.....	.....	.....	1	0'25	0'59	1'02	62'79	60'49	
		Bogra ..	Sherpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'93	71'36	61'15
Nowkhilla ..			.....	.....	0'50	.....	.....	.....	.....	1	0'50	0'72	0'92	68'05	56'41	
Bogra ..	.....		.....	.....	.....	.....	.....	.....	Nil	Nil	0'21	1'3	70'52	63'88		
Panchbibi ..	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0'75	73'13	55'18		
	Rajshahye ..	Benaulah ..	.....	.....	0'20	.....	.....	.....	.....	1	0'20	0'61	0'90	65'37	54'87	
		Natore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	1'17	60'59	58'18	
		Nowkong ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'34	?	73'74	?	
Lalporo ..		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	65'49	?		
Manda ..	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'85	?	58'86	?		
	Maldah ..	Maldah ..	.....	0'54	.....	.....	.....	.....	.....	1	0'54	2'12	0'68	75'23	52'44	
		Chanchal ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'33	0'64	54'25	60'45	
		Gajol ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'12	?	68'04	?	
Sibganj ..		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'20	?	68'10	?		
Dinapore ..	Mohadebpore ..	0'25	.....	.....	.....	.....	.....	.....	1	0'25	0'75	0'87	81'30	57'31		
	Churamon ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'68	0'25	68'12	51'57		
	Raigunge ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'49	0'50	93'40	54'96		
	Dinapore ..	.....	0'51	.....	.....	.....	.....	.....	1	0'51	0'80	0'86	73'66	64'56		
Balooghath ..	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'24	0'31	63'41	48'59		
	Rungpore ..	Bhawani-gunge ..	.....	0'15	.....	.....	.....	.....	0'12	2	0'27	1'52	1'45	59'49	65'07	
		(Gyabanda) ..	.....	.....	.....	.....	.....	.....	.....	2	0'81	0'98	1'46	71'92	77'57	
		Rungpore ..	.....	0'67	.....	.....	.....	.....	.....	0'15	2	0'81	0'98	1'46	71'92	77'57
Kurigram ..		.....	0'38	0'12	.....	.....	.....	.....	3	2'32	2'32	2'42	91'89	77'91		
Bagdogra ..	.....	0'08	.....	.....	.....	.....	.....	.....	3	2'32	2'32	1'47	87'16	87'16		
	(Nulphamari) ..	.....	.....	.....	.....	.....	.....	.....	3	1'09	2'07	?	76'33	?		
	Ulupore ..	.....	0'26	0'38	.....	.....	.....	.....	1'25	3	1'09	2'07	?	76'33	?	
	Jalpigore ..	Jalpigore ..	0'87	0'16	0'19	.....	.....	.....	0'71	4	1'98	2'55	2'45	133'53	119'97	
Alipore Doar ..		.....	.....	0'39	.....	.....	0'25	1'24	0'41	4	2'29	2'68	?	141'30	?	
Fallacotta ..		0'12	0'12	.....	.....	.....	.....	.....	1'6	3	1'80	2'24	?	165'86	?	
Debiganj ..		0'25	0'58	.....	.....	.....	.....	.....	1'40	3	2'21	2'83	?	?	?	
Cooch Behar.	Dumatta ..	1'03	0'21	.....	0'51	.....	.....	.....	0'75	4	2'50	2'55	1'90	87'08	50'73	
	Cooch Behar ..	0'82	0'20	0'25	.....	.....	.....	.....	0'05	4	1'37	2'33	3'13	115'33	123'98	
	Meekligunge ..	0'15	.....	0'41	.....	.....	.....	.....	0'04	3	0'60	0'86	1'71	120'25	108'46	
	Maabhanaka ..	0'85	0'35	.....	10'10	.....	.....	.....	0'70	4	2'09	3'07	2'02	119'46	122'01	
Darjeeling Hill.	Buxa ..	0'10	.....	.....	.....	.....	.....	.....	1'59	2	1'69	4'15	5'32	237'72	201'23	
	Siliguri ..	0'05	0'03	0'43	.....	.....	.....	0'90	0'93	5	2'34	3'81	0'73	152'22	89'63	
	Darjeeling ..	0'05	.....	0'02	0'05	.....	0'12	0'52	5	0'76	4'70	2'64	123'30	114'28		
	Kalimpong ..	.....	.....	.....	0'06	.....	.....	.....	0'16	2	0'16	2'5	1'50	78'50	84'31	
SOUTH-BENGAL DIVISION.	Purneah ..	Kissengunge ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'10	0'62	198'55	68'55	
		Arraon ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'28	0'85	92'61	63'56	
		Purneah ..	.....	0'08	.....	.....	.....	.....	.....	1	0'08	1'48	0'69	85'38	61'34	
		Gondwara ..	.....	.....	.....	.....	.....	.....	.....	?	?	?	?	?	?	
	Balarampore ..	.....	.....	.....	.....	.....	.....	.....	.....	?	?	?	?	?	?	
		Mattari ..	0'18	0'05	.....	.....	.....	.....	.....	2	0'23	1'02	?	80'88	?	
		Kaliaganj ..	0'13	0'31	.....	.....	.....	.....	.....	0'31	3	0'75	?	?	?	
		Madadapore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'96	0'36	61'06	40'77	
	North Bhagui-pore.	Soopool ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2'65	0'28	62'46	47'91	
		Protadganj ..	0'35	.....	.....	.....	.....	.....	.....	1	0'35	1'77	?	74'81	?	
		Durbhanga ..	Tajpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'32	0'19	74'61	42'20
			Durbhanga ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'35	0'32	58'34	45'70
Madhubani ..	.....		.....	.....	.....	.....	.....	.....	Nil	Nil	0'79	0'52	58'71	44'85		
Nahera ..	.....		.....	.....	.....	.....	.....	.....	Nil	Nil	1'64	?	70'10	?		
Roshera ..	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'45	?	71'79	?		
	Mousurpore ..	Sitamari ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1'20	0'67	58'09	42'70	
		Mousurpore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'42	0'24	60'02	45'30	
		Hajipore ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'08	0'10	60'47	42'13	
Faru ..		.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'12	?	51'40	?		
Mahua ..	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	56'20	?		
	Suhar ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'45	?	60'32	?		
	Fupri ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'25	?	59'79	?		
	Motihari ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'40	0'40	51'96	41'24		
Bethlah ..	.....	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'82	0'39	70'93	49'07		
	Bagaha ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'48	?	63'52	?		
	Burnpur ..	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0'79	?	51'44	?		

## Statement of Rainfall in Bengal for the week ending Friday (6 p m.), the 22nd of April 1887—concl.

Met. orological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of Month.	Average total rainfall from 1st of Month.	Total rainfall since 1st May 1886.	Average rainfall from 1st May to date.
			Saturday, 16th April.	Sunday, 17th April.	Monday, 18th April.	Tuesday, 19th April.	Wednesday, 20th April.	Thursday, 21st April.	Friday, 22nd April.	Number of rainy days.	of rainfall week.				
NORTH BEHAR	SARUN	Gopalgunge	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.47	0.05	61.70	45.7
		Sowah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	0.10	60.35	44.2
SOUTH BEHAR	SHAHABAD	Chaurah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.63	0.10	60.55	39.9
		Buzar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.23	0.14	51.02	39.6
		Dumree	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	0.05	52.02	40.0
		Gunbooh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	0.04	53.93	41.3
		Sasaram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.21	0.11	55.53	41.1
		Arrah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.11	0.13	60.47	39.5
		Mohania	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	23.30	?
	G. A.	Aurungabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.60	0.20	68.07	45.0
		Sya	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.30	0.15	67.68	45.2
		Nowadah	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.90	0.20	67.25	39.8
		Behanabad	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.61	0.11	66.76	39.8
		Arwal	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.3	?	55.20	?
		Bandnagar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	?	54.61	?
		Sherghati	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	61.00	?
		Rajauli	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.40	?	?	?
		Pakri Barawa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	69.40	?
	Patna	Patna	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.13	0.17	66.37	41.7
		Bimpor	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.22	0.20	72.56	40.3
		Behar	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.4	0.17	58.46	42.2
		Bickram	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.20	0.08	52.53	40.2
		Husa	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.40	?	?	?
	Munshyr	Begumserai	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.62	0.10	53.08	40.0
		Adhlyr	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.26	0.26	68.77	46.2
		Adhlyr	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.54	0.37	62.77	43.7
		Sogri	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.63	?	55.63	?
	South Bhagupore.	Sheikhpura	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	63.86	?
		Shakulpore	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.97	0.38	66.72	42.4
		Kolpung	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.3	0.38	61.25	44.3
		Kolpung	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.15	?	55.68	?
	Sonthal Pargunahs.	Rajmenai	Nil	0.20	Nil	Nil	Nil	Nil	Nil	1	0.20	0.62	0.74	87.84	59.7
		Sodda	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	2.75	0.25	59.55	43.2
		Pakout	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.04	0.24	87.47	61.2
		Sya Dounks	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	0.04	73.44	55.9
		Shakur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.3	0.53	63.69	51.4
		Shakur	Nil	0.2	Nil	Nil	Nil	Nil	Nil	1	0.27	1.18	0.30	70.54	48.6
		Shakur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.4	?	59.24	?
		Vanhat	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.40	?	?	?
CHUTTA GAO PUL.	HAZARIBAGH	Chandpur (Gardi)	Nil	0.3	Nil	Nil	Nil	Nil	Nil	1	0.3	0.6	0.38	61.88	46.5
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.2	0.23	59.07	49.7
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.2	0.02	53.34	47.7
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.02	?	55.50	48.7
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	62.80	61.7
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.8	?	71.38	?
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	?	?	69.75	?
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.3	?	61.82	?
	LOHARDUGGA	Chandpur	0.02	Nil	Nil	Nil	Nil	Nil	Nil	1	0.02	0.02	?	55.61	?
		Chandpur	0.10	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.21	?	61.40	?
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.10	0.45	54.81	51.7
		Chandpur	0.05	Nil	Nil	Nil	Nil	Nil	Nil	1	0.05	0.25	0.24	51.47	45.7
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.05	?	47.84	?
	SINGBHOOM	Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	?	51.94	?
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.15	?	64.48	?
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.17	0.61	44.00	54.7
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	0.18	?	57.73	?
		Chandpur	Nil	0.8	Nil	Nil	Nil	Nil	Nil	1	0.84	1.25	?	58.13	?
	MANBHOO	Chandpur	0.15	0.15	Nil	Nil	Nil	Nil	Nil	1	0.15	1.50	?	49.22	?
		Chandpur	0.04	0.01	Nil	Nil	Nil	Nil	Nil	2	0.05	0.92	0.57	47.12	51.7
		Chandpur	0.15	Nil	Nil	Nil	Nil	Nil	Nil	1	0.15	1.46	0.43	51.57	47.7
		Chandpur	0.05	Nil	Nil	Nil	Nil	Nil	Nil	1	0.05	0.82	?	62.65	?
		Chandpur	0.45	0.55	Nil	Nil	Nil	Nil	Nil	2	0.78	2.31	?	40.27	?
		Chandpur	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	1.30	?	61.26	?

Explanation.—Nil indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 22nd April 1887.



## SUMMARY OF THE METEOROLOGICAL AND RAINFALL OBSERVATIONS TAKEN IN BENGA FOR THE WEEK ENDING FRIDAY, THE 22ND OF APRIL 1887.

At the commencement of the past week the weather was slightly cooler than usual, and southerly or easterly winds prevailed over the whole of Bengal and Behar. The air was hence not so dry in Behar as it generally is in April. On the 18th westerly winds were re-established in Central and South Behar, and gradually extended eastwards. The day temperature hence increased rapidly in Behar, and the air became much drier, in consequence of which the night temperature at first decreased slightly, and began to rise again on the 20th and 21st. On the 18th, 19th and 20th the westerly winds in Behar gained rather rapidly in force, and instead of being continued across Chutia Nagpur as north-west winds, they forced their way across West into Central Bengal on the afternoon of the 20th, and produced an unusually rapid increase of temperature on the 21st and 22nd, and a very considerable decrease of humidity. The distribution of winds during that period was unusual. Southerly winds prevailed in South Bengal, south-east winds in the northern districts of East Bengal, easterly winds in North Bengal and North Behar, westerly and north-westerly winds in Central and South Behar and the northern districts of Chutia Nagpur, and in West and Central Bengal, and south-south-west and south-west winds in Orissa and at the mouth of the Hooghly. The winds were light and variable in direction in Central Bengal. In all other districts they were above their average force. These changes accompanied a rapid fall of the barometer during the week, which was greatest in the neighbourhood of the hills in Northern Bengal. Some local showers fell at the commencement of the week in the districts bordering on the hills in North and East Bengal, and also on the last day of the week in the same districts. The rainfall of the week was hence below the average over the whole of the province, excepting in Comillah, Mymensingh, Ruugpore, Julpigoree, Cooch Behar and Darjeeling, and was practically nil over South-West and Central Bengal, Behar and Chutia Nagpur.

**Pressure.**—Gave way almost continuously during the week. The barometer was from '05" to '07" above its normal height at the commencement of the week. The fall was most rapid on the 17th and 18th. The total fall during the week averaged '23" in North Bengal and North Behar, '22" in South-West Bengal, '20" in East Bengal, Central Behar, and Orissa, '17" in South Behar, and '13" in Chutia Nagpur, where it was least. The mean pressure was hence considerably below the average pressure of the week. The deficiency was '06" in South and East Bengal and South Behar, '05" in Orissa and North Behar, and '03" in Chutia Nagpur.

**Temperature.**—The changes of temperature varied to an unusual extent in different parts of the province. In Eastern Bengal, and the northern districts of North Bengal, which received occasional showers during the week, the fluctuations were small, and the temperature at the end of the week was almost identical with what it was at the beginning of the week. Over the remainder of the province a considerable increase of temperature took place, which was most marked in South-West Bengal. In that division the maximum temperature at the end of the week was from 13° to 17° higher than at the commencement of the week, whilst the minimum night temperature increased from 1° to 5° in the same interval. The maximum temperature increased during the week in North Behar from 7° to 13°, in South Behar from 8° to 12°, in Chutia Nagpur 5°. The minimum temperature increased slightly in that area during the week (from 6° to 4°). The mean maximum temperature was slightly above the average in South Bengal and Orissa, and slightly below it in Behar and Chutia Nagpur. The unusual dryness of the air in South-West Bengal and Orissa during the latter half of the week reduced the night temperature below the average, but in Behar, Chutia Nagpur, East Bengal, and also at Darjeeling, the night temperature was from 1° to 3½° above it. It will thus be seen that the variations in the day and night temperature were opposite in character, and hence the mean temperature of the week differs very slightly from the normal. The mean temperature was practically normal in South-West Bengal and North Behar, 1° below the average in Orissa, and 1° above it in East Bengal, South Behar and Chutia Nagpur. The highest maximum temperature recorded in the province during the week was 106·9° at Cuttack and at Midnapore on the 22nd.

The following table gives temperature data for eight representative stations for the past week:—

Table showing the excess or defect of the actual temperature from the normal for the week ending 22nd April 1887.

	Normal mean maximum temperature for the week ending 22nd April 1887.	Actual mean maximum temperature for the week ending 22nd April 1887.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 22nd April 1887.	Actual mean minimum temperature for the week ending 22nd April 1887.	Variation of actual from normal.	Normal mean daily temperature for the week ending 22nd April 1887.	Actual mean daily temperature for the week ending 22nd April 1887.	Variation of actual from normal.
Cuttack	101·6	102·4	+0·8	77·7	76·6	-1·1	89·7	89·5	-0·2
Calcutta	95·7	96·2	+0·5	75·7	75·5	-0·2	85·7	85·9	+0·2
Burdwan	100·7	98·4	-2·3	76·1	75·1	-1·0	88·4	86·7	-1·7
Dacca	92·9	93·2	+0·3	73·9	74·9	+1·0	83·4	84·1	+0·7
Purneah	99·1	99·1	0·0	69·7	73·2	+3·5	81·4	84·2	+2·8
Bankipore	101·6	100·8	-0·8	73·1	73·9	+0·8	87·3	87·3	0
Hazaribagh	97·6	97·6	0·0	71·4	73·4	+2·0	84·5	85·5	+1·0
Darjeeling	63·5	60·7	-2·8	47·9	49·3	+1·4	55·7	55·0	-0·7

**Humidity.**—The chief feature in this element of meteorological observation was the very large decrease which accompanied the extension of westerly winds into Central Bengal on the 21st and 22nd. The influence of those winds was felt as far east as Jessore. The following data illustrate the unusual dryness of the air on these days in South-West and Central Bengal :—

STATION.	10 A.M. HUMIDITY.			
	Average April.	20th.	21st.	22nd.
Burdwan	42	38	25	10
Balasore	51	63	18	20
Midnapore	34	33	13	14
Calcutta	56	66	36	32
Krishnaghur	49	53	39	30
Jessore	63	67	54	57

**Rainfall.**—The rainfall of the week was not large, and was almost entirely confined to the northern districts of North Bengal and East Bengal. The Rungpore, Julpigoree, Cooch Behar, Purneah, and Darjeeling districts of North Bengal, and the Mymensingh district of East Bengal, received light to moderate showers on the 16th, 17th and 18th. The heaviest fall during this period was 1.03 inches at Dinhatta in Cooch Behar. Local showers fell in the southern districts of East Bengal on the 18th and 19th. Agartola received 3.72 inches on the 19th. Heavy showers fell in the northern districts of North Bengal on the evening of the 21st, when the Julpigoree district received an average of one inch. Kurigram (in Rungpore district) registered the largest amount, 1.82 inches, for that day. The only districts in which the rainfall of the week exceeded one inch are—Commillah (1.81 inches), Julpigoree and Cooch Behar (1.67 inches), and Darjeeling (1.24 inches). The Mymensingh, Rungpore, Dacca, and Backergunj districts received average amounts varying between half an inch and an inch. The rainfall in all other districts was very small, and was nil over the greater part of Behar.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 22nd of April 1887 :—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.								RAINFALL.							
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.		Since 15th May 1886.	
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.	Average.	Normal average.	Average.	Normal average.
Orissa	106.9	70.1	92.8	77.1	85.0	-0.9	0.13	0.44	-0.31	0.3	0.8	-0.5	0.50	0.96	63.41	56.61
South-West Bengal	106.9	66.7	97.4	75.7	86.5	-0.2	0.05	0.47	-0.42	0.3	0.9	-0.6	1.01	1.16	61.40	55.54
East Bengal	95.3	69.1	90.9	73.8	82.3	+0.7	0.73	0.86	-0.13	1.0	1.5	-0.5	0.97	2.27	88.13	80.74
North Bengal	99.4	66.7	93.5	73.3	83.4	-	0.62	0.58	+0.04	1.5	1.1	+0.4	1.05	1.38	81.06	72.30
North Benar	102.5	67.7	95.4	73.2	84.3	-0.4	0.01	0.13	-0.12	0.1	0.3	-0.2	0.75	0.38	69.12	48.41
South Behar	106.2	71.2	99.9	76.1	88.0	+1.0	0.02	0.13	-0.11	0.1	0.3	-0.2	0.75	0.28	65.47	43.69
Chutia Nagpur	100.0*	67.7*	97.5*	73.2*	85.4*	+1.0*	0.07	0.12	-0.05	0.5	0.4	+0.1	0.48	0.30	54.53	51.15

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;  
The 26th April 1887.

JOHN ELIOT,  
Meteorological Reporter to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 17th to 23rd April 1887.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 29 Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1887.		°		inches.	°	°		°	°	inches.	°	%			inches.	
April	17th	150.7	10.7	29.797	84.2	93.2	18.8	74.4	77.4	0.850	74.3	74	SSW and S	131	Nil	Chiefly cloudy, o, g, p.
"	18th	148.5	8.5	721	85.0	96.0	21.2	74.8	77.9	863	74.8	74	WSW and SSW	133	"	Partially cloudy, p.
"	19th	154.3	10.5	67.5	87.4	100.8	23.6	77.2	78.4	855	74.5	69	SSW and SW	138	"	Chiefly clear, p.
"	20th	155.6	10.2	647	87.9	101.4	23.2	78.2	76.8	781	71.8	64	SSW and WNW	143	"	Clear, p.
"	21st	153.5	8.2	621	87.6	102.0	24.8	77.2	74.7	691	68.2	58	WNW and SW by S	140	"	Clear, p.
"	22nd	155.2	10.0	605	87.8	102.0	26.3	75.7	72.9	613	64.7	51	WSW and N by W	142	"	Clear.
"	23rd	154.0	9.7	717	86.8	100.2	23.2	77.0	79.3	931	76.1	70	S and variable	145	"	Chiefly clear, =, p.

The mean pressure of the seven days	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Inc. es.
The average pressure of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	29.683
The total number of hours of bright sunshine	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4 hours.
The maximum possible number of hours of sunshine	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	89.1
The mean temperature of the seven days	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	86.7
The average temperature of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	84.6
The extreme variation of temperature	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27.6
The maximum temperature	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	102.0
The highest velocity of the wind in one hour	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Miles.
The highest pressure of wind on one square foot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	lbs.
The mean relative humidity	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	%
The average relative humidity of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	66
The total fall of rain from 17th to 23rd April 1887	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Inches.
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Nil.
The total fall from 1st January to 23rd April 1887	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	0.55
The average fall of the corresponding period for 24 years, S. G.'s Office	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5.24
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	4.03

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph, and from observations made at 6h. 10h. 16h. and 22h.

The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, Δ dew, = fog.

JOHN ELIOT,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;  
Calcutta, the 25th April 1887.



**Results of the Thermometrical Observations taken at the Meteorological Office,  
Chowringhee, from 17th to 23rd April 1887.**

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°	°	°	°	Inches.	°	%	Inches.
April	17th	84.5	96.5	21.5	75.0	76.9	.824	73.4	70	Nil
"	18th	85.1	98.5	23.7	74.8	77.9	.860	74.7	71	"
"	19th	87.7	102.8	25.0	77.8	77.5	.807	72.8	62	"
"	20th	88.5	103.5	24.9	78.6	75.5	.709	69.0	53	"
"	21st	88.9	103.5	25.7	77.8	71.8	.561	61.7	41	"
"	22nd	87.5	103.5	28.7	74.8	71.1	.542	61.2	41	"
"	23rd	86.3	102.3	25.0	77.3	78.6	.848	74.3	67	"

The mean temperature of the seven days ... 86.9

The extreme variation of temperature ... 28.7

The maximum temperature ... 103.5

The mean relative humidity ... 58

The total fall of rain from 17th to 23rd April 1887 ... Nil

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA,

The 25th April 1887.

JOHN ELIOT,

For Meteorological Reporter to the Govt. of India.

## MEMORANDUM.

THE table annexed to this memorandum shows—

1. That during the week ending 9th April 1887, the birth and death rates of the principal Municipalities in Bengal amounted to 19.9 and 30.7 per 1,000 of population, respectively, as opposed to 17.8 and 28.3 per 1000, respectively, in the preceding week ending 2nd April, indicating a fair advance in the registration of both the events.

2. That these events were returned at the highest rates by the following Municipalities:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Comillah	...	61.6	Narsaingunge	...	99.4
Beauleah	...	57.8	Serampore	...	74.6
Narsaingunge	...	41.4	Gya	...	68.3
Durbhanga	...	34.6	Suburbs of Calcutta	...	52.9
Gya	...	32.1	Beauleah	...	39.4
Serampore	...	31.4	Utterpara	...	37.7
Monghyr	...	30.7	Puri	...	33.6
			Bali	...	31.6
			Comillah	...	30.8
			Burdwan	...	30.5
			Durbhanga	...	29.9

3. That the mortality from the principal diseases does not exhibit any noticeable difference in comparison with the death-rates from the same diseases during the preceding week; vide subjoined table:—

				Ratio per mille during the weeks ending—	
				9th April 1887.	2nd April 1887.
Cholera	...	...	...	11.2	11.2
Small-pox	...	...	...	.5	.2
Fever	...	...	...	9.5	8.6
Bowel-complaints	...	...	...	2.8	2.0
Injury	...	...	...	.2	.5
Other causes	...	...	...	6.5	5.8

4. That while only one town (Puri) exhibited fatal results from bowel complaint to a noticeable extent, viz. at the rate of 23.1 per 1,000 of population, and the casualties from injury were nowhere higher than normal, the undermentioned Municipalities returned the highest death-rates from the rest of the diseases, viz. from cholera, small-pox, fever and the maladies classed under the head of "Other causes":—

Cholera.		Small-pox.		Fever.		Other causes.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.		Ratio per mille.
Narsaingunge	74.6	Gya	4.1	Beauleah	31.5	Serampore	17.7
Gya	34.8	Mozufferpore	3.6	Comillah	30.8	Gya	13.0
Serampore	33.3					Suburbs of Calcutta	10.1
Utterpara	28.3						
Suburbs of Calcutta	23.6						
Bali	17.5						
Hughli	12.1						
Howrah	10.8						
Durbhanga	8.6						
Patna City	6.5						
Dacca	5.7						

5. That the mortality referable to Sex, Class and Age stood as noted below:—

According to Sex.		According to Class.		According to Age.	
	Ratio per mille.		Ratio per mille.		Ratio per mille.
Males	32.5	Christians	8.7	Under 1 year	173.2
Females	28.6	Hindus	31.9	1 and under 5 years	43.1
Ratio of male deaths to every 100 female deaths	128	Mahomedans	28.7	5 " " 10 " "	16.7
		Other classes	36.4	10 " " 15 " "	13.6
				15 " " 20 " "	25.6
				20 " " 30 " "	24.2
				30 " " 40 " "	25.3
				40 " " 50 " "	20.1
				50 " " 60 " "	23.9
				60 years and upwards	68.5

R. LIDDERDALE, M.D., Deputy Surgeon-General.

Sanitary Commissioner for Bengal.

The 25th April 1887.

Statement showing the Results of the Registration of Births and Deaths in the Principal Municipalities in Bengal during the week ending 9th April 1887.

		3		4		5		6		7		8		9		10		11		12								
		POPULATION.				BIRTHS.				DISEASE.				MORTALITY ACCORDING TO—														
DISTRICTS.	NAMES OF MUNICIPALITIES.	Males.		Females.		Total.		NUMBER OF—		RATIO PER 1,000 OF POPULATION PER ANNUM.		DEATHS FROM—				RATIO PER 1,000 OF POPULATION PER ANNUM.				Ratio of deaths per 1,000 of population per annum in the previous week.		Sex.						
		Males.	Females.	Total.	Males.	Females.	Total.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Small-pox.	Fever.	Bowel-complaints.	Injury.	Other diseases.	All causes.	Males.	Females.	Ratio of male deaths to every 100 female deaths.						
Burdwan	Burdwan	15,063	16,017	34,080	5	6	11	7.6	9.2	16.8	83	...	...	...	...	...	...	...	...	...	...	...	...	122				
Midnapore	Midnapore	16,917	16,633	33,550	8	6	14	12.4	9.3	21.7	133	...	...	...	...	...	...	...	...	...	...	...	...	890				
Hughli	Hughli and Chinsurah	19,179	19,539	38,718	11	6	17	14.8	8.9	23.8	183	9	...	...	...	...	...	...	...	...	...	...	...	162				
Seemapore	Seemapore	12,539	12,937	25,496	12	4	16	23.6	7.8	31.4	300	17	...	...	...	...	...	...	...	...	...	...	...	192				
Howrah	Howrah	3,046	2,464	5,510	2	...	2	18.9	...	18.9	...	3	...	...	...	...	...	...	...	...	...	...	...	300				
24-Pergunnahs	Suburbs of Calcutta	53,153	37,650	90,813	21	11	22	12.0	6.3	18.3	150	19	...	...	...	...	...	...	...	...	...	...	...	114				
Baranagar	Baranagar	7,836	6,979	14,815	...	3	3	...	10.5	10.5	No male births.	...	...	...	...	...	...	...	...	...	...	...	...	89				
Kalighat	Kalighat	14,214	27,477	41,691	54	46	100	11.2	9.5	20.7	117	114	...	...	...	...	...	...	...	...	...	...	...	163				
Nuddia	Nuddia	13,063	14,214	27,477	7	6	13	13.2	11.4	24.6	116	...	...	...	...	...	...	...	...	...	...	...	...	160				
Jessore	Jessore	4,628	4,655	9,283	1	1	2	6.0	6.0	12.0	100	1	...	...	...	...	...	...	...	...	...	...	...	No male deaths.				
Kolkata	Kolkata	13,708	15,979	29,687	4	1	5	7.0	1.8	8.8	400	1	...	...	...	...	...	...	...	...	...	...	...	200				
Darjiling	Darjiling	4,880	3,685	8,565	...	1	1	...	6.1	6.1	No male births.	...	...	...	...	...	...	...	...	...	...	...	...	No male deaths.				
Dacca	Dacca	10,766	9,025	19,791	9	13	22	23.6	34.2	57.8	69	...	...	...	...	...	...	...	...	...	...	...	...	65				
Chittagong	Chittagong	5,029	2,947	7,976	2	1	3	13.0	6.5	19.5	20	...	...	...	...	...	...	...	...	...	...	...	...	260				
Tripura	Tripura	42,782	37,379	80,161	18	7	25	11.7	4.5	16.2	257	9	...	...	...	...	...	...	...	...	...	...	...	139				
Patna	Patna	7,005	4,966	11,971	5	5	10	20.7	20.7	41.4	100	15	...	...	...	...	...	...	...	...	...	...	...	163				
Gya	Gya	13,340	8,700	22,040	...	1	1	...	2.3	2.3	No male births.	...	...	...	...	...	...	...	...	...	...	...	...	200				
Shahabad	Shahabad	8,153	5,353	13,506	11	5	16	42.4	19.2	61.6	250	...	...	...	...	...	...	...	...	...	...	...	...	300				
Moulvibazar	Moulvibazar	78,762	51,475	130,237	27	27	54	8.7	8.7	17.5	100	29	...	...	...	...	...	...	...	...	...	...	...	100				
Durgha	Durgha	38,290	37,831	76,121	25	24	47	15.7	15.3	32.1	95	61	...	...	...	...	...	...	...	...	...	...	...	72				
Arrah	Arrah	29,000	22,505	51,505	...	1	1	...	1.2	1.2	No male births.	...	...	...	...	...	...	...	...	...	...	...	...	No male deaths.				
Moulvibazar	Moulvibazar	23,084	10,558	33,642	4	6	10	4.9	7.3	12.2	66	1	...	...	...	...	...	...	...	...	...	...	...	200				
Durgha	Durgha	33,774	32,332	66,106	19	25	44	14.9	19.6	34.6	76	11	...	...	...	...	...	...	...	...	...	...	...	133				
Sarun	Sarun	26,044	27,313	53,357	2	2	4	1.9	1.9	3.9	100	...	...	...	...	...	...	...	...	...	...	...	...	200				
Bhagalpur	Bhagalpur	29,610	27,313	56,923	5	7	12	4.5	6.3	10.8	71	...	...	...	...	...	...	...	...	...	...	...	...	77				
Monghyr	Monghyr	93,154	29,566	122,720	18	16	34	16.2	14.5	30.7	112	1	...	...	...	...	...	...	...	...	...	...	...	60				
Purneah	Purneah	8,403	6,453	14,856	3	2	5	19.4	6.9	17.3	150	...	...	...	...	...	...	...	...	...	...	...	...	66				
Poori	Poori	13,247	11,357	24,604	1	1	2	2.1	2.1	4.2	190	1	...	...	...	...	...	...	...	...	...	...	...	128				
TOTAL		108,000	91,000	199,000	272	234	506	10.7	9.2	19.9	116	284	12	241	71	2	107	769	11.7	7.6	9.5	2.8	2.5	28.5	341	32.5	25.6	128



## MORTALITY ACCORDING TO -

Age.

Class.

DISTRICTS.

NAMES OF MUNICIPALITIES.

RATIO PER 1,000 OF POPULATION PER ANNUM.

DEATHS AMONG -

RATIO PER 1,000 OF POPULATION PER ANNUM.

DEATHS.

RATIO PER 1,000 OF POPULATION PER ANNUM.

DEATHS AMONG -

RATIO PER 1,000 OF POPULATION PER ANNUM.

Districts.	Municipalities.	Christians.	Hindus.	Mahomedans.	Buddhists.	Other classes.	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.	Ratio per 1,000 of population per annum.									
																	Under 1 year.	1 and under 5 years.	5 and under 10 years.	10 and under 15 years.	15 and under 20 years.	20 and under 30 years.	30 and under 40 years.	40 and under 50 years.	50 and under 60 years.	60 years and upwards.
Burdwan	Burdwan	16	351	203	...	...	4	...	1	1	1	4	3	4	1	1	315.2	...	22.3	20.7	16.6	26.3	22.6	47.1	21.2	35.1
Midnapore	Midnapore	7	140	144	...	...	1	...	1	...	1	...	...	...	1	...	70.0	...	...	17.1	32.9	...	...	...	25.2	26.8
Hughli	Hughli and Chinsurah	15	246	457	...	...	3	...	...	...	1	7	1	3	1	2	165.4	58.5	...	...	17.5	47.5	7.4	30.2	15.9	41.5
Serampore	Serampore	26	742	1109	...	...	5	...	...	...	...	5	5	7	3	8	336.2	57.6	20.7	46.8	...	...	...	107.9	81.5	299.1
Howrah	Howrah	4	391	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	90.4	49.0	...	141.3	...
Bali	Bali	23	176	304	...	215.8	8	3	1	...	4	8	4	...	1	7	201.6	28.2	8.3	...	28.4	18.3	10.8	...	9.5	97.0
24-Pargunnas	Suburbs of Calcutta	162	562	506	...	...	...	...	1	...	1	1	2	3	...	1	...	...	48.8	...	39.0	15.5	37.3	80.6	...	71.0
Nudda	Kishnagur	2	56	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	49.4	113.2
Jessore	Ranghat	1	71	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Darjiling	Santipore	9	226	...	...	...	...	...	1	...	1	1	1	...	1	...	123.1	35.9	13.8	...	...	10.6	12.9	...	41.9	...
Dacca	Jessore	...	420	371	...	...	1	6	...	1	...	...	4	...	1	...	128.1	220.0	...	78.2	...	...	...	...	...	265
Chittagong	Rampore Beaulah	8	341	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	57.7	...	...	...
Tipperah	Darjiling	3	168	225	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Patna	Dacca	13	822	118	...	...	10	3	1	...	1	6	4	2	...	2	274.0	21.2	5.2	...	7.1	20.4	17.8	13.4	...	28.0
Gya	Naraingange	10	...	...	...	...	3	1	2	1	...	5	2	7	1	2	559.2	45.6	78.7	45.8	...	97.4	48.6	26.3	68.4	139.5
Shahabad	Chittagong	...	350	281	...	...	1	...	...	...	1	...	...	...	...	1	92.4	...	...	...	21.5	...	...	...	...	65.3
Moulvipoore	Cumilla	4	...	...	...	...	1	2	1	...	1	...	2	...	1	...	175.1	79.5	31.9	...	21.5	...	53.2	...	64.9	...
Durbhanga	Patna City	71	1465	153	...	...	9	8	4	5	6	19	7	4	8	14	108.6	28.5	12.4	18.1	27.9	34.4	15.7	11.0	29.4	57
Saran	Gya	87	764	420	...	...	9	11	10	5	1	10	13	6	17	18	261.5	90.0	74.3	38.6	8.9	35.3	53.1	31.9	134.5	181.9
Bhagalpore	Arrah	1	17	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	150
Monghyr	Monrpoore	8	139	167	...	...	1	1	...	1	3	2	...	...	1	3	54.4	12.9	...	13.1	61.5	12.1	...	...	16.0	61.1
Purneah	Durbhanga	28	301	296	...	...	6	10	3	...	...	2	3	2	4	5	290.4	68.3	19.9	25.1	...	7.8	14.0	14.0	47.4	81.4
Poori	Chupra	2	25	43	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	14.6	...	...	8.3	...	14.9
	Bhagalpore	12	157	121	...	...	3	3	3	...	...	1	1	1	3	1	130.6	28.8	25.6	...	...	4.8	5.6	8.1	36.6	14.4
	Monghyr	1	2185	140	...	...	4	3	1	...	2	1	...	1	...	4	140.1	25.1	7.4	...	...	5.0	...	8.2	...	58.0
	Purneah	2	113	276	...	...	...	...	1	...	...	1	1	...	2	...	...	...	32.9	...	...	15.8	18.2	...	111.0	...
	Poori	16	339	...	...	...	...	...	...	...	6	3	7	...	...	...	...	...	...	...	167.8	29.5	89.8	...	...	...
	TOTAL	561	87	287	...	364	101	91	42	30	49	156	111	62	62	108	173.2	43.1	16.7	13.6	25.6	24.2	25.3	20.1	33.9	68.5

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,  
The 25th April 1887.R. LIDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

## PUBLIC WORKS DEPARTMENT—BENGAL.

## IRRIGATION BRANCH.

Statement showing heights over mean sea-level and low water in the Rivers Ganges, Bhagirath, Jellinghee, and Brahmapootra, for the month of March 1887.

RIVER GANGES.																	RIVER JELLINGHEE.	RIVER BRAHMAPOOTRA.
Mirzapore.		Benares.		Buxar.		Dinapore.		Monghyr.		Sahabganje.		Rampore Beaulah.		Goalundo.		Berhampore.	Krishnagur.	Gowhaty.
Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.	Height over zero of gauge, sea-level.
From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.	From Allahabad.
80.	134.	48.	90.	177.	87.	287.	110.	381.	471.	90.	301.	120.						
1st	204.22	196.16	170.72	7.60	141.83	100.85	67.17	0.35	42.35	1.00	9.24	2.50	11.29	1.10	147.64			
2nd	204.14	195.07	170.72	7.60	141.83	100.85	67.17	0.35	42.35	1.00	9.24	2.50	11.29	1.10	147.64			
3rd	204.05	194.98	170.63	7.55	141.78	100.64	66.83	0.35	42.25	0.93	9.14	2.45	11.20	1.09	147.55			
4th	203.97	194.90	170.55	7.50	141.70	100.56	66.75	0.35	42.17	0.93	9.14	2.45	11.20	1.09	147.55			
5th	203.89	194.82	170.47	7.45	141.63	100.48	66.67	0.35	42.09	0.93	9.14	2.45	11.20	1.09	147.55			
6th	203.80	194.73	170.38	7.40	141.55	100.39	66.58	0.35	42.00	0.93	9.14	2.45	11.20	1.09	147.55			
7th	203.72	194.65	170.30	7.35	141.48	100.31	66.50	0.35	41.92	0.93	9.14	2.45	11.20	1.09	147.55			
8th	203.64	194.57	170.22	7.30	141.40	100.23	66.42	0.35	41.84	0.93	9.14	2.45	11.20	1.09	147.55			
9th	203.56	194.49	170.14	7.25	141.33	100.15	66.34	0.35	41.76	0.93	9.14	2.45	11.20	1.09	147.55			
10th	203.48	194.41	170.06	7.20	141.25	100.07	66.26	0.35	41.68	0.93	9.14	2.45	11.20	1.09	147.55			
11th	203.40	194.33	170.00	7.15	141.18	100.00	66.17	0.35	41.61	0.93	9.14	2.45	11.20	1.09	147.55			
12th	203.32	194.25	169.92	7.10	141.10	99.92	66.09	0.35	41.53	0.93	9.14	2.45	11.20	1.09	147.55			
13th	203.24	194.17	169.84	7.05	141.03	99.84	66.01	0.35	41.45	0.93	9.14	2.45	11.20	1.09	147.55			
14th	203.16	194.09	169.76	7.00	140.95	99.76	65.93	0.35	41.37	0.93	9.14	2.45	11.20	1.09	147.55			
15th	203.08	194.01	169.68	6.95	140.88	99.68	65.85	0.35	41.29	0.93	9.14	2.45	11.20	1.09	147.55			
16th	203.00	193.93	169.60	6.90	140.80	99.60	65.77	0.35	41.21	0.93	9.14	2.45	11.20	1.09	147.55			
17th	202.92	193.85	169.52	6.85	140.73	99.52	65.69	0.35	41.13	0.93	9.14	2.45	11.20	1.09	147.55			
18th	202.84	193.77	169.44	6.80	140.65	99.44	65.61	0.35	41.05	0.93	9.14	2.45	11.20	1.09	147.55			
19th	202.76	193.69	169.36	6.75	140.58	99.36	65.53	0.35	40.97	0.93	9.14	2.45	11.20	1.09	147.55			
20th	202.68	193.61	169.28	6.70	140.50	99.28	65.45	0.35	40.89	0.93	9.14	2.45	11.20	1.09	147.55			
21st	202.60	193.53	169.20	6.65	140.43	99.20	65.37	0.35	40.81	0.93	9.14	2.45	11.20	1.09	147.55			
22nd	202.52	193.45	169.12	6.60	140.35	99.12	65.29	0.35	40.73	0.93	9.14	2.45	11.20	1.09	147.55			
23rd	202.44	193.37	169.04	6.55	140.28	99.04	65.21	0.35	40.65	0.93	9.14	2.45	11.20	1.09	147.55			
24th	202.36	193.29	168.96	6.50	140.20	98.96	65.13	0.35	40.57	0.93	9.14	2.45	11.20	1.09	147.55			
25th	202.28	193.21	168.88	6.45	140.13	98.88	65.05	0.35	40.49	0.93	9.14	2.45	11.20	1.09	147.55			
26th	202.20	193.13	168.80	6.40	140.05	98.80	64.97	0.35	40.41	0.93	9.14	2.45	11.20	1.09	147.55			
27th	202.12	193.05	168.72	6.35	140.00	98.75	64.92	0.35	40.36	0.93	9.14	2.45	11.20	1.09	147.55			
28th	202.04	192.97	168.64	6.30	139.92	98.67	64.84	0.35	40.28	0.93	9.14	2.45	11.20	1.09	147.55			
29th	201.96	192.89	168.56	6.25	139.85	98.59	64.76	0.35	40.20	0.93	9.14	2.45	11.20	1.09	147.55			
30th	201.88	192.81	168.48	6.20	139.77	98.51	64.68	0.35	40.12	0.93	9.14	2.45	11.20	1.09	147.55			
31st	201.80	192.73	168.40	6.15	139.70	98.43	64.60	0.35	40.04	0.93	9.14	2.45	11.20	1.09	147.55			
32nd	201.72	192.65	168.32	6.10	139.62	98.35	64.52	0.35	39.96	0.93	9.14	2.45	11.20	1.09	147.55			
33rd	201.64	192.57	168.24	6.05	139.55	98.27	64.44	0.35	39.88	0.93	9.14	2.45	11.20	1.09	147.55			
34th	201.56	192.49	168.16	6.00	139.47	98.19	64.36	0.35	39.80	0.93	9.14	2.45	11.20	1.09	147.55			
35th	201.48	192.41	168.08	5.95	139.40	98.11	64.28	0.35	39.72	0.93	9.14	2.45	11.20	1.09	147.55			
36th	201.40	192.33	168.00	5.90	139.32	98.03	64.20	0.35	39.64	0.93	9.14	2.45	11.20	1.09	147.55			
37th	201.32	192.25	167.92	5.85	139.25	97.95	64.12	0.35	39.56	0.93	9.14	2.45	11.20	1.09	147.55			
38th	201.24	192.17	167.84	5.80	139.17	97.87	64.04	0.35	39.48	0.93	9.14	2.45	11.20	1.09	147.55			
39th	201.16	192.09	167.76	5.75	139.10	97.79	63.96	0.35	39.40	0.93	9.14	2.45	11.20	1.09	147.55			
40th	201.08	192.01	167.68	5.70	139.02	97.71	63.88	0.35	39.32	0.93	9.14	2.45	11.20	1.09	147.55			
41st	201.00	191.93	167.60	5.65	138.95	97.63	63.80	0.35	39.24	0.93	9.14	2.45	11.20	1.09	147.55			
42nd	200.92	191.85	167.52	5.60	138.87	97.55	63.72	0.35	39.16	0.93	9.14	2.45	11.20	1.09	147.55			
43rd	200.84	191.77	167.44	5.55	138.80	97.47	63.64	0.35	39.08	0.93	9.14	2.45	11.20	1.09	147.55			
44th	200.76	191.69	167.36	5.50	138.72	97.39	63.56	0.35	39.00	0.93	9.14	2.45	11.20	1.09	147.55			
45th	200.68	191.61	167.28	5.45	138.65	97.31	63.48	0.35	38.92	0.93	9.14	2.45	11.20	1.09	147.55			
46th	200.60	191.53	167.20	5.40	138.57	97.23	63.40	0.35	38.84	0.93	9.14	2.45	11.20	1.09	147.55			
47th	200.52	191.45	167.12	5.35	138.50	97.15	63.32	0.35	38.76	0.93	9.14	2.45	11.20	1.09	147.55			
48th	200.44	191.37	167.04	5.30	138.42	97.07	63.24	0.35	38.68	0.93	9.14	2.45	11.20	1.09	147.55			
49th	200.36	191.29	166.96	5.25	138.35	96.99	63.16	0.35	38.60	0.93	9.14	2.45	11.20	1.09	147.55			
50th	200.28	191.21	166.88	5.20	138.27	96.91	63.08	0.35	38.52	0.93	9.14	2.45	11.20	1.09	147.55			
51st	200.20	191.13	166.80	5.15	138.20	96.83	63.00	0.35	38.44	0.93	9.14	2.45	11.20	1.09	147.55			
52nd	200.12	191.05	166.72	5.10	138.12	96.75	62.92	0.35	38.36	0.93	9.14	2.45	11.20	1.09	147.55			
53rd	200.04	190.97	166.64	5.05	138.05	96.67	62.84	0.35	38.28	0.93	9.14	2.45	11.20	1.09	147.55			
54th	200.00	190.93	166.60	5.00	138.01	96.63	62.80	0.35	38.24	0.93	9.14	2.45	11.20	1.09	147.55			
55th	199.92	190.85	166.52	4.95	137.93	96.55	62.72	0.35	38.16	0.93	9.14	2.45	11.20	1.09	147.55			
56th	199.84	190.77	166.44	4.90	137.85	96.47	62.64	0.35	38.08	0.93	9.14	2.45	11.20	1.09	147.55			
57th	199.76	190.69	166.36	4.85	137.78	96.39	62.56	0.35	38.00	0.93	9.14	2.45	11.20	1.09	147.55			
58th	199.68	190.61	166.28	4.80	137.70	96.31	62.48	0.35	37.92	0.93	9.14	2.45	11.20	1.09	147.55			
59th	199.60	190.53	166.20	4.75	137.63	96.23	62.40	0.35	37.84	0.93	9.14	2.45	11.20	1.09	147.55			
60th	199.52	190.45	166.12	4.70	137.55	96.15	62.32	0.35	37.76	0.93	9.14	2.45	11.20	1.09	147.55			
61st	199.44	190.37	166.04	4.65	137.48	96.07	62.24	0.35	37.68	0.93	9.14	2.45	11.20	1.09	147.55			
62nd	199.36	190.29	165.96	4.60	137.40	95.99	62.16	0.35	37.60	0.93	9.14	2.45	11.20	1.09	147.55			
63rd	199.28	190.21	165.88	4.55	137.33	95.91	62.08	0.35	37.52	0.93	9.14	2.45	11.20	1.09	147.55			
64th	199.20	190.13	165.80	4.50	137.25	95.83	62.00	0.35	37.44	0.93	9.14	2.45	11.20	1.09	147.55			
65th	199.12	190.05	165.72	4.45	137.18	95.75	61.92	0.35	37.36	0.93	9.14	2.45	11.20	1.09	147.55			
66th	199.04	190.00	165.64	4.40	137.10	95.67	61.84	0.35	37.28	0.93	9.14	2.45	11.20	1.09	147.55			
67th	199.00	189.96	165.60	4.35	137.06	95.63	61.80	0.35	37.24	0.93	9.14	2.45	11.20	1.09	147.55			

C. W. I. HARRISON, Lieut.-Col., R. E.,

Offy. Secretary to the Government of Bengal.

The 26th April 1887.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

Statements showing quantities of Goods carried during the month of February 1887.

## ORISSA CIRCLE.

## TALDUNDAH CANAL SYSTEM.

LENGTH OF CANAL OPEN { TALDUNDAH CANAL, 27 MILES.  
MACHGONG " 4 "

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
Details not furnished.	1. Grain ...	.....	123	123	3,098	123	3,098	
	2. Cotton ...	.....	.....	.....	.....	.....	.....	
	3. Oilseeds ...	.....	.....	.....	.....	.....	.....	
	4. Salt ...	.....	.....	.....	.....	.....	.....	
	5. Piece-goods ...	.....	.....	.....	.....	.....	.....	
	6. Metal ...	.....	103	103	78	103	78	
	7. Building materials	.....	918	918	1,747	30	110	
	8. Miscellaneous ...	7	24	31	10,080	7	80	
	9. Fuel ...	.....	21	21	130	21	130	
	10. Timber ..	.....	121 No.	121 No.	196	121 No.	196	
	11. Bamboos ...	.....	27,900 „	27,900 „	417	27,900 „	417	
205	12. Total ...	7	1 189 & 28,021 No	1,196 & 28,021 No.	15,746	284 & 28,021 No	4,109	
107	13. Total of same month last year ...			453	10,806	283	7,513	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	111	94	205	Total tollage of month— 24 + 25 + 26 ...			559 8 2
15.	Total number of boats plying passenger No.	16	16	32	Total tollage of same month last year ...			304 5 6
16.	Total registered tonnage, cargo ...	1,114	2,093	3,207	Memorandum of Tollage.			
17.	Total registered tonnage, passenger ...	546	423	969				
18.	Ten-mileage ...	18,348	33,975	52,323				
19.	Estimated value of cargo Rs.	10,000	5,133	15,133				
20.	Number of passengers No.	1,570	83	1,653	1. Balance not recovered on the 1st of the month ...			123 12 0
21.	Rafts, bamboos c. ft.	.....	.....	.....	2. Tollage per month ...			559 8 2
22.	Do., bullahs „	.....	.....	.....				
23.	Estimated value of rafts Rs.	.....	613	613				
24.	Tollage on boats „	156-8-6	374-8-0	531-0-6	3. Total ...			683 4 2
25.	Compounded tollage on boats ... Rs.	.....	.....	.....	4. Amount credited in the accounts of the month ...			609 8 8
26.	Tollage on rafts „	.....	28-7-8	28-7-8				
27.	Total tollage on boats per ton-mile	.....	.....	2-05 pie				
28.	Total tollage on rafts per 100 cubic feet	.....	.....	.....	5. Balance due at the end of the month ...			73 11 6



## KENDRAPARA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 75 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Quantity.	Value.	
		Up.	Down.	Total.	Tons.	Rupees.	
192	1. Grain ...	491	712	1,203	1,203	74,280	
.....	2. Cotton ...	.....	.....	.....	.....	.....	
16	3. Oilseeds ...	.....	238	238	238	32,200	
5	4. Salt ...	14	13	27	27	1,930	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	
.....	6. Metal ...	.....	.....	.....	.....	.....	
40	7. Building materials ...	14	402	416	178	2,630	
171	8. Miscellaneous ...	715	345	1,060	975	86,240	
4	9. Fuel ...	54	4	58	56	580	
24 rafts	10. Timber ...	61 No.	4,311 No.	4,372 No.	4,372 No.	7,440	
64 „	11. Bamboos ...	.....	65,000 „	65,000 „	65,000 „	1,490	
428 & 88 rafts.	12. Total ...	1,288 & 61 No.	1,714 & 69,311 No.	3,002 & 69,372 No.	2,677 & 69,372 No.	2,06,790	
890	13. Total of same month last year ...	.....	.....	3,301	3,069	2,85,800	2,84,980

  

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo No.	238	190	428	Total tollage of month— 24 + 25 + 26 ...	4,769 10
15. Total number of boats plying passenger No.	48	44	92	Total tollage of same month last year ...	5,405 11
16. Total registered tonnage, cargo ...	1,288	1,714	3,002	<i>Memorandum of Tollage.</i>	
17. Total registered tonnage, passenger ...	1,303	911	2,214		
18. Ton-mileage ...	90,329	92,946	1,83,275		
19. Estimated value of cargo Rs.	60,740	137,120	1,97,869		Rs. A. P.
20. Number of passengers No.	2,760	1,812	4,572	1. Balance not recovered on the 1st of the month ...	2,943 6 10
21. Rafts, timbers c. ft.	61	4,311	4,372	2. Tollage per month ...	4,769 10
22. Do, bamboos „	.....	65,000	65,000	3. Total ...	7,713 1
23. Estimated value of rafts Rs.	150	8,780	8,930	4. Amount credited in the accounts of the month ...	2,196 5
24. Tollage on boats „	2,057-8-1	2,277-7-7	4,334-15-8	5. Balance due at the end of the month ...	5,516 12
25. Compounded tollage on boats ... Rs.	.....	.....	.....		
26. Tollage on rafts „	5-2-6	429-8-6	434-11-0		
27. Total tollage on boats per ton-mile ...	.....	.....	0-0-4-0		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	0-10-0		

## HIGH LEVEL CANAL, RANGE I.

LENGTH OF CANAL OPEN, 33 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
104	1. Grain ...	269	.....	269	21,880	269	21,880	
1	2. Cotton ...	.....	2	2	500	2	500	
...	3. Oilseeds ...	...	.....	.....	.....	.....	.....	
33	4. Salt ...	...	61	61	5,100	61	5,100	
...	5. Piece-goods ...	.....	.....	.....	.....	.....	.....	
...	6. Metal ...	.....	...	.....	.....	.....	.....	
20	7. Building materials	27	165	192	290	29	220	
82	8. Miscellaneous ...	177	54	231	23,340	231	23,340	
18	9. Fuel ...	108	.....	108	450	108	450	
10 rafts	10. Timber ..	3,440 No.	...	3,440 No.	7,500	3,440 No.	7,500	
2 "	11. Bamboos ...	.....	9,000 No.	9,000 "	190	9,000 "	190	
258 & 2 rafts.	12. Total ...	581 & 3,440 No.	282 & 9,000 No.	863 & 12,440 No.	59,250	700 & 12,440 No.	59,180	
630	13. Total of same month last year ...	...	...	1,003	72,550	1,003	72,550	

	Up.	Down.	Total.		Rs. A. P.
4. Total number of boats plying cargo No.	185	73	258	Total tollage of month— 24 + 25 + 26 ...	902 8 0
5. Total number of boats plying passenger No.	2	.....	2	Total tollage of same month last year ...	1,049 0 0
6. Total registered tonnage, cargo ...	581	282	863	<i>Memorandum of Tollage.</i>	
7. Total registered tonnage, passenger ...	5	.....	5		
8. Ten-mileage ...	14,092	4,203	18,295		
9. Estimated value of cargo Rs.	39,140	12,420	51,560		Rs. A. P.
10. Number of passengers No.	2	...	2	1. Balance not recovered on the 1st of the month ...	410 4 9
11. Rafts, timbers c. ft.	3,440	...	3,440	2. Tollage per month ...	902 8 0
12. Do., bamboos "	.....	9,000	9,000		
13. Estimated value of rafts Rs.	7,500	190	7,690	3. Total ...	1,312 12 9
14. Tollage on boats "	297-15-6	182-2-9	480-2-3		
15. Compounded tollage on boats Rs.	...	.....	.....	4. Amount credited in the accounts of the month ...	1,081 4 3
16. Tollage on rafts "	413-14-9	8-7-0	422-5-9		
17. Total tollage on boats per ton-mile ...	.....	.....	0-0-5-0	5. Balance due at the end of the month ...	231 8 6
18. Total tollage on rafts per 100 cubic feet ...	.....	.....	3-6-5		

## HIGH LEVEL CANAL, RANGE II.

LENGTH OF CANAL OPEN, 12½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
43	1. Grain ...	267	8	275	7,168	275	7,168	
1	2. Cotton ...	2	.....	2	300	2	300	
20	3. Oilseeds ...	.....	105	105	5,558	105	5,558	
2	4. Salt ...	.....	12	12	875	12	875	
15	5. Piece-goods ...	.....	41	41	5,770	4	5,770	
.....	6. Metal ...	.....	.....	.....	.....	.....	.....	
49	7. Building materials ...	.....	823	823	268	2	90	
159	8. Miscellaneous ...	557	144	701	2,825	249	2,771	
18	9. Fuel ...	.....	223	223	313	.....	.....	
17	10. Timber ...	.....	7	7	3,932	7	3,932	
8	11. Bamboos ...	.....	.....	.....	300	.....	300	
332	12. Total ...	826	1,363	2,189	27,309	656	26,764	
749	13. Total of same month last year ...	.....	.....	763	39,375	485	38,599	

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo No.	157	175	332	Total tollage of month— 24 + 25 + 26 ..	390 5 6
15. Total number of boats plying passenger No.	.....	3	3	Total tollage of same month last year ...	589 13 9
16. Total registered tonnage, cargo ...	826	1,363	2,189	<i>Memorandum of Tollage.</i>	
17. Total registered tonnage, passenger ...	.....	6	6		
18. Ton-mileage ...	12,960	16,380	29,340		
19. Estimated value of cargo Rs.	7,138	15,626	22,764		
20. Number of passengers No.	42	74	116	1. Balance not recovered on the 1st of the month ...	40 2 9
21. Rafts, bamboos c. ft.	.....	7,500	7,500	2. Tollage per month ..	390 5 6
22. Do, bullahs ..	.....	1,410	1,410	3. Total ...	430 8 3
23. Estimated value of rafts Rs.	.....	4,545	4,545	4. Amount credited in the accounts of the month ...	398 7 0
24. Tollage on boats ..	97-13-3	190-10-3	288-7-6	5. Balance due at the end of the month ...	32 1 3
25. Compounded tollage on boats ... Rs.	.....	.....	.....		
26. Tollage on rafts ..	.....	101-14-0	101-14-0		
27. Total tollage on boats per ton-mile ..	.....	.....	0-0-2		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	1-3-4		



## HIGH LEVEL CANAL, RANGE III.

LENGTH OF CANAL OPEN, 19 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE		REMARKS.
		Quantity—Tons.		Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	
27	1. Grain ...	160	.....	160	4,566	160	4,566
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
1	3. Oilseeds ...	.....	4	4	114	4	114
1	4. Salt ...	5	.....	5	260	5	260
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
33	7. Building materials ...	17	542	559	741	.....	.....
64	8. Miscellaneous ...	204	95	299	3,144	102	3,144
.....	9. Fuel ...	.....	.....	.....	.....	.....	.....
.....	10. Timber ...	.....	.....	.....	.....	.....	.....
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
126	12. Total ...	386	641	1,027	8,825	271	8,084
209	13. Total of same month last year ...	.....	.....	189	16,552	189	16,552
		Up.	Down.	Total.			Rs. A. P.
Total number of boats plying cargo No.		61	65	126	Total tollage of month— 24 + 25 + 26 ...		165 2 3
Total number of boats plying passenger No.		.....	.....	.....	Total tollage of same month last year ...		217 10 9
Total registered tonnage, cargo ...		386	641	1,027	Memorandum of Tollage.		
Total registered tonnage, passenger ...		.....	.....	.....			
Ton-mileage ...		2,722	4,454	7,176			
Estimated value of cargo Rs.		4,833	3,992	8,825			
Number of passengers No		79	38	117			
Rafts, bamboos c. ft.		.....	.....	.....	1. Balance not recovered on the 1st of the month ...		4 4 3
Do., bullahs "		.....	.....	.....	2. Tollage per month ...		165 2 3
Estimated value of rafts Rs.		.....	.....	.....	3. Total ...		169 6 6
Tollage on boats "		51-1-9	114-0-6	165-2-3	4. Amount credited in the accounts of the month ...		156 13 0
Compounded tollage on boats Rs.		.....	.....	.....	5. Balance due at the end of the month		
Tollage on rafts "		.....	.....	.....			
Total tollage on boats per ton-mile ...		.....	.....	0-0-4.4			
Total tollage on rafts per 100 cubic feet ..		.....	.....	.....			

## SOUTH-WESTERN CIRCLE.

## MIDNAPORE CANAL.

LENGTH OF CANAL OPEN, 53 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
1,048	1. Grain ...	5,995	485	6,480	2,55,101	6,480	2,55,101
...	2. Cotton ...	.....	...	.....	.....	.....	.....
11	3. Oilseeds ...	4	58	62	5,900	62	5,900
72	4. Salt ...	.....	711	711	56,600	711	56,600
7	5. Piece-goods ...	2	8	10	27,000	10	27,000
6	6. Metal ...	9	2	11	7,700	11	7,700
63	7. Building materials	52	467	519	2,617	230	1,204
311	8. Miscellaneous ...	529	361	890	2,36,339	890	2,36,339
25	9. Fuel ...	109	190	299	2,869	299	2,869
36 rafts	10. Timber ...	8,974 c. ft.	257 c. ft.	9,231 c. ft.	2,379	9,231 c. ft.	2,379
6 „	11. Bamboos ...	36 „	704 „	740 „	95	740 „	95
1,543 and 42 rafts	12. Total ...	6,700 and 9,010 c. ft.	2,282 and 961 c. ft.	8,982 and 9,971 c. ft.	5,96,600	3,693 and 9,971 c. ft.	5,95,187
2,751	13. Total of same month last year	...	...	9,467	6,12,538	9,467	6,12,538

	Up.	Down.	Total.		Rs.
14. Total number of boats plying cargo No.	1,173	370	1,543	Total tollage of month— 24 + 25 + 26 ...	9,404
15. Total number of boats plying passenger No.	589	765	1,354	Total tollage of same month last year	} 8,998
15½. Total number of boats plying empty No.	339	784	1,123	Tolls ... Rs. A. P. Coy.'s steamer 560 9 0	
16. Total registered tonnage, cargo ...	15,498	5,137	20,635	Memorandum of Tollage.	
17. Total registered tonnage, passenger ...	3,215	3,127	6,342		
17½. Total registered tonnage, empty ...	975	2,923	3,898		Rs.
18. Ton-mileage ...	4,20,594	1,91,262	6,11,856	1. Balance not recovered on the 1st of the month	2,158 1
19. Estimated value of cargo Rs.	3,03,316	2,90,810	5,94,126		
20. Number of passengers No.	4,962	8,820	13,782		
21. Rafts, bamboos c. ft.	36	704	740	2. Tollage per month ...	9,404 1
22. Do., bullahs „	8,974	257	9,231		
23. Estimated value of rafts Rs.	1,993	481	2,474	3. Total ...	11,563 1
24. Tollage on boats „	5,732-6-6	2,381-1-0	8,113 7-6		
25. Compounded tollage on boats ... Rs.	.....	.....	1,200		
26. Tollage on rafts „	87-2-9	4-4-6	91-7-3	4. Amount paid into treasury during the month	8,462 1
27. Total tollage on boats per ton-mile Pie	.....	.....	2-9		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	0-14-0	5. Balance due at the end of the month	3,100 12

## HIDGELLER TIDAL CANAL.

LENGTH OF CANAL OPEN, 29 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARK.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
552	1. Grain ...	2,923	3	2,926	1,12,095	2,926	1,12,095	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....	
.....	3. Oilseeds ...	.....	.....	.....	.....	.....	.....	
17	4. Salt ...	.....	158	158	11,125	158	11,125	
5	5. Piece-goods ...	.....	10	10	7,125	10	7,125	
1	6. Metal ...	.....	1	1	300	1	300	
15	7. Building materials ...	5	86	91	755	16	185	
672	8. Miscellaneous ...	193	212	405	41,834	394	40,934	
12	9. Fuel ...	21	83	104	732	72	507	
13 rafts	10. Timber ...	589 c. ft.	91 c. ft.	680 c. ft.	2,615	680 c. ft.	2,615	
5 "	11. Bamboos ...	350 "	925 "	1,275 "	130	575 "	60	
1,274 & 18 rafts	12. Total ...	3,142 & 939 c. ft.	553 & 1,016 c. ft.	3,695 & 1,955 c. ft.	1,76,711	3,577 & 1,255 c. ft.	1,74,946	
1,715	13. Total of same month last year ...			4,009	1,96,273	3,973	1,95,588	
		Up.	Down.	Total.				Rs. A. P.
14.	Total number of boats plying cargo No.	655	619	1,274	Total tollage of month—24 + 25 + 26 ...			3,031 7 9
15.	Total number of boats plying passenger No.	35	43	78	Total tollage of same month last year ..			3,583 5 0
16.	Total registered tonnage, cargo ...	6,574	3,291	9,865	Memorandum of Tollage.			
17.	Total registered tonnage, passenger ...	116	148	264				
18.	Ton-mileage ...	1,16,150	55,445	1,71,595				
19.	Estimated value of cargo Rs.	1,21,045	52,921	1,73,966	1. Balance not recovered on the 1st of the month ...			886 4 0
20.	Number of passengers No.	271	314	585	2. Tollage per month ...			3,031 7 9
21.	Rafts, bamboos c. ft.	350	925	1,275	3. Total ...			3,917 11 9
22.	Do., ballahs "	589	91	680	4. Amount paid into treasury during the month ...			2,848 7 0
23.	Estimated value of rafts Rs.	2,330	415	2,745	5. Balance due at the end of the month ...			1,069 4 9
24.	Tollage on boats "	2,039-9-0	970-2-6	3,009-11-6				
25.	Compounded tollage on boats Rs.	.....	.....	.....				
26.	Tollage on rafts "	14-0-0	7-12-3	21-12-3				
27.	Total tollage on boats per ton-mile ...	.....	.....	0-0-3				
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	1-1-9				



## SONE CIRCLE.

## PATNA CANAL SYSTEM.

LENGTH OF CANAL OPEN, 86½ MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
.....	1. Grain	.....	.....	.....	.....	.....	.....	
1	2. Cotton	1	2	3	2,507	3	2,507	
4	3. Oilseeds	.....	24	24	2,380	24	2,380	
1	4. Salt	23	.....	23	2,888	23	2,888	
15	5. Piece-goods	51	33	84	25,953	84	25,953	
.....	6. Metal	14	.....	14	4,644	14	4,644	
57	7. Building materials	.....	509	509	2,154	127	944	
55	8. Miscellaneous	102	296	398	71,093	355	71,045	
11	9. Fuel { boats	119	.....	119	1,644	117	1,619	
	{ rafts	.....	50	50	136	50	136	
1	10. Timber { boats	4	.....	4	250	4	250	
	{ rafts	.....	296	296	3,002	296	3,002	
1	11. Bamboos { boats	2	.....	2	50	2	50	
	{ rafts	11	700	711	11,608	711	11,608	
146	12. Total	327	1,910	2,237	1,28,309	1,810	1,27,026	
198	13. Total of same month last year	.....	.....	2,695	50,991	2,686	50,941	

	Up.	Down.	Total.		Rs. A.
14. Total number of boats plying cargo No.	47	99	146	Total tollage of month— 24 + 25 + 26	1,596 1
15. Total number of boats plying passenger No.	6	9	15		
15½. Total number of empty boats No.	98	11	109	Total tollage of same month last year	993 9
16. Total registered tonnage, cargo	477	1,361	1,838		
17. Total registered tonnage, passenger	117	118	235		
17½. Total registered tonnage of empty boats	378	33	411		
18. Ton-mileage	50,407	85,504	1,35,911		
19. Estimated value of cargo Rs.	40,327	73,236	1,13,563		
20. Number of passengers No.	375	280½	655½		
21. Rafts, bamboos c. ft.	1,600	1,04,970	1,06,570		
22. Do., bullahs	.....	26,013	26,013		
23. Estimated value of rafts Rs.	400	14,346	14,746		
24. Tollage on boats	315-14-0	626-2-7	942-0-7		
25. Compounded tollage on boats Rs.	75	75	150-0-0		
26. Tollage on rafts	0-8-0	503-9-0	504-1-0		
27. Total tollage on boats per ton-mile	.....	.....	1-5 pies.		
28. Total tollage on rafts per 100 cubic feet	.....	.....	0-6-1		
				Memorandum of Tollage.	
					Rs. A.
				1. Balance not recovered on the 1st of the month	89 6
				2. Tollage per month	1,596 1
				3. Total	1,685 8
				4. Amount credited in the accounts of the month	1,483 1
				5. Balance due at the end of the month	202 6

## ARRAH CANAL SYSTEM.

LENGTH OF CANAL OPEN, 65 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
8	1. Grain ...	5	32	37	2,000	37	2,000	
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....	
1	3. Oilseeds ...	.....	10	10	600	10	600	
17	4. Salt ...	113	.....	113	11,575	113	11,575	
1	5. Piece-goods ...	20	.....	20	28,500	20	28,500	
2	6. Metal ...	1	1	2	180	2	180	
10	7. Building materials ...	.....	104	104	341	88	260	
56	8. Miscellaneous ...	115	259	374	73,174	374	73,174	
21	9. Fuel ...	281	19	300	2,984	78	1,044	
Rafts	10. Timber ...	.....	786	786	777	786	777	
	11. Bamboos ...	.....	203	203	3,040	203	3,040	
116	12. Total ...	535	1,414	1,949	1,23,171	1,711	1,21,150	
216	13. Total of same month last year ...	.....	.....	2,020	92,208	1,862	91,382	

14. Total number of boats plying cargo	No.	48	68	116	Total tollage of month— 24 + 25 + 26	...	Rs. A. P. 1,156 2 3
15. Total number of boats plying passenger	No.	7	7	14			
15½. Total number of empty boats	No.	26	6	32	Total tollage of same month last year	...	1,046 11 3
16. Total registered tonnage, cargo	...	679	632	1,311	Memorandum of Tollage.		
17. Total registered tonnage, passenger	...	386	384	770			
17½. Total registered tonnage, empty	...	58	22	80	Rs. A. P.		
18. Ton-mileage	...	61,868	50,492	1,12,360	1. Balance not recovered on the 1st of the month	...	41 0 9
19. Estimated value of cargo	Rs.	61,713	57,641	1,19,354	2. Tollage per month	...	1,156 2 3
20. Number of passengers	No.	938	1,039	1,977	3. Total	...	1,197 3 0
21. Rafts, bamboos	c. ft.	.....	30,407	30,407	4. Amount credited in the accounts of the month	...	1,007 6 6
22. Do., bullahs, &c.	"	.....	58,969	58,969	5. Balance due at the end of the month	...	189 12 6
23. Estimated value of rafts	Rs.	.....	3,817	3,817			
24. Tollage on boats	"	327-1-3	265-15-3	593-0-6			
25. Compounded tollage on boats	Rs.	196	196	392			
26. Tollage on rafts	"	.....	171-1-9	171-1-9			
27. Total tollage on boats per ton-mile	...	.....	.....	1-6 pies			
28. Total tollage on rafts per 100 cubic feet	...	.....	.....	As. P. 3 07			

## BUXAR CANAL SYSTEM

LENGTH OF CANAL OPEN, 67 MILES.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
2	1. Grain ...	.....	8	8	929	8	929
.....	2. Cotton ...	.....	.....	.....	.....	.....	.....
2	3. Oilseeds ...	.....	33	33	2,750	33	2,750
.....	4. Salt ...	.....	.....	.....	.....	.....	.....
.....	5. Piece-goods ...	2	.....	2	9,350	2	9,350
.....	6. Metal ...	.....	.....	.....	.....	.....	.....
47	7. Building materials ...	.....	657	657	25,127	25	1,527
62	8. Miscellaneous ...	1	578	579	76,174	579	76,174
17	9. Fuel (coal) ...	153	12	165	3,087	12	225
Rafts {	10. Timber ...	.....	391	391	4,346	391	4,346
	11. Bamboos ...	.....	335	335	6,030	335	6,030
130	12. Total ...	156	2,014	2,170	1,27,793	1,385	1,01,331
199	13. Total of same month last year ...	.....	.....	1,441	60,937	1,441	60,937

	Up.	Down.	Total.		Rs. A. P.
14. Total number of boats plying cargo No.	15	115	130	Total tollage of month— 24 + 25 + 26 ...	1,077 5
15. Total number of boats plying passenger No.	8	10	18		
15½. Total number of empty boats No.	36	72	108	Total tollage of same month last year ...	823 4
16. Total registered tonnage, cargo ...	207	2,436	2,643		
17. Total registered tonnage, passenger ...	216	228	444		
17½. Total registered tonnage, empty ...	103	242	345		
18. Ton-mileage ...	19,660	51,769	71,429		
19. Estimated value of cargo Rs.	16,512	1,00,905	1,17,417		
20. Number of passengers No.	575	587½	1,162½		
21. Rafts, bamboos c. ft.	.....	50,250	50,250	1. Balance not recovered on the 1st of the month ...	28 15
22. Do., bullahs ..	.....	29,333	29,333		
23. Estimated value of rafts Rs.	.....	10,376	10,376	2. Tollage per month ...	1,077 5
24. Tollage on boats ..	73-1-9	573-1-6	646-3-3	3. Total ...	1,106 4
25. Compounded tollage on boats Rs.	75	123-0-2	198-0-2		
26. Tollage on rafts ..	.....	233-1-9	233-1-9	4. Amount credited in the accounts of the month ...	1,097 11
27. Total tollage on boats per ton-mile ...	.....	.....	0-0-2·2		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	Ans. pies 0-4-8	5. Balance due at the end of the month ...	8 9

## Memorandum of Tollage.



## ABSTRACT FOR THE MONTH OF FEBRUARY 1887, AS COMPARED WITH THE CORRESPONDING MONTH OF THE PREVIOUS YEAR.

CANAL.	TRAFFIC, 1886-87.						TRAFFIC, 1885-86.						REMARKS.
	During the month.			To end of the month.			During the month.			To end of the month.			
Orissa Circle.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Baldunda Canal System ...	559	8	2	2,298	7	6	304	5	6	1,521	14	4	
Rendrapara Canal System	4,769	10	8	35,257	2	8	5,405	11	8	42,673	13	11	
High Level Canal, Range I	902	8	0	6,577	6	6	1,049	0	0	7,212	2	11	
Ditto, Range II	390	5	6	3,097	8	0	589	13	9	3,132	13	10	
Ditto, Range III	165	2	3	1,830	1	9	217	10	9	1,115	0	6	
Total Orissa Circle ...	6,787	2	7	49,060	10	5	7,566	9	8	55,655	13	6	
South-Western Circle.													
Midnapore Canal ...	9,404	14	9	1,00,433	3	6	8,438	2	9	1,16,154	0	0	
Hidgellee Tidal Canal ...	3,031	7	9	46,222	9	9	3,583	5	0	46,778	9	0	
Total South-Western Circle	12,436	6	6	1,46,655	13	3	12,021	7	9	1,62,932	9	0	
Sone Circle.													
Patna Canal System ...	1,596	1	7	20,108	12	7	993	9	3	17,804	0	1	
Arrah ditto ...	1,156	2	3	16,506	2	7	1,046	11	3	13,292	2	1	
Buxar ditto ...	1,077	5	2	7,856	1	9	823	4	6	6,195	8	3	
Total Sone Circle ...	3,829	9	0	44,471	0	11	2,863	9	0	37,291	10	5	
GRAND TOTAL ...	23,053	2	1	2,40,187	8	7	22,451	10	5	2,55,880	0	11	

## GOVERNMENT TRANSPORT SERVICE.

CANAL.	TRAFFIC, 1886-87.						TRAFFIC, 1885-86.					
	During the month.			To end of the month.			During the month.			To end of the month.		
	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.	Passen- gers.	Goods.	Total receipts.
<i>Orissa Circle.</i>	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.	No.	Mds.	Rs. A. P.
High Level ...	222	794	270 11 4	7,170	13,454	8,020 11 6	1,138	3,942	1,613 3 1	12,317	38,234	17,603 6 5
Total Orissa Circle ...	222	794	270 11 4	7,170	13,454	8,020 11 6	1,138	3,942	1,613 3 1	12,317	38,234	17,603 6 5

## TOTAL NAVIGATION RECEIPTS.

CANAL.	EARNINGS, 1886-87.						EARNINGS, 1885-86.						REMARKS.
	During the month.			To end of the month.			During the month.			To end of the month.			
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
Orissa Canals ...	7,057	13	11	57,081	5	11	9,179	12	9	73,259	3	11	
Midnapore Canal ...	9,404	14	9	1,00,433	3	6	8,438	2	9	1,19,575	11	3	
Hidgellee Tidal Canal ...	3,031	7	9	46,222	9	9	3,583	5	0	46,778	9	0	
Sone Canals ...	3,829	9	0	44,471	0	11	3,148	9	0	41,705	8	7	
Total ...	23,323	13	5	2,48,208	4	1	24,349	13	6	2,81,319	0	9	

C. W. I. HARRISON, *Lieut.-Col., R.E.,*  
*Offg. Secy. to the Govt. of Bengal.*

CALCUTTA,  
 The 26th April 1887.

## CIRCULAR AND EASTERN CANALS.

Approximate return of traffic for the week ending Saturday, the 23rd April 1887, compared with the corresponding week of the previous year.

NATURE OF CARGO.	WEEK ENDING SATURDAY, THE 23RD APRIL 1887.			WEEK ENDING SATURDAY, THE 24TH APRIL 1886.		
	Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
	No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	237	98,925	1,718	341	85,708	1,571
Jute ...	10	8,641	159	13	8,175	143
Firewood ...	87	44,400	637	105	65,300	929
Other articles ...	694	1,98,275	2,699	808	2,38,607	3,570
Total ...	1,128	3,50,241	5,213	1,267	3,97,790	6,213

## Dacca State Railway.

Abstract of principal commodities carried over the Dacca State Railway during the month of February 1887, as compared with the same month of the previous year.

STAPLES.	1886.		1887.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1886.	1887.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.		
Betel-nuts ...	...	1	7	...	1	7	6	...
Coal and coke ...	...	...	67	45	...	112	112	...
Cotton, raw ...	...	...	...	1	...	1	1	...
Cotton manufactured—								
(1). Twist and yarn (European) ...	...	...	...	...	...	...	...	...
(2). Ditto (Indian) ...	...	...	...	...	...	...	...	...
(3). Piece-goods (European) ...	...	...	...	...	...	...	...	...
(4). Ditto (Indian) ...	...	...	...	...	...	...	...	...
Fibrous products—								
(1). Jute (unscrewed) ...	...	205	6	2,198	205	2,204	1,999	...
(2). " manufactured (gunny-bags and cloths) ...	...	...	...	1	...	1	1	...
Grain and pulse—								
(2). Grain and pulse ...	25	1	4	1	26	5	...	21
(4). Rice, husked ...	1	22	1	...	23	1	...	22
Hides and skins—								
(1). Hides of cattle ...	...	8	2	5	8	7	...	1
Metals and manufactures of—								
(1). Brass and copper ...	...	...	...	...	...	...	...	...
(2). Iron ...	...	1	2	1	11	3	...	8
(3). Other metals ...	...	...	...	...	...	...	...	...
Oils	...	2	1	...	2	1	...	1
Provisions—								
(1). Ghee ...	...	...	7	...	1	7	6	...
(2). Other kinds ...	...	...	...	...	...	...	...	...
Railway materials ...	18	1,742	68	2	1,760	70	...	1,690
Salt ...	...	...	5	...	...	5	5	...
Seeds—								
(1). Oilseeds—								
(a). Linseed ...	...	...	...	...	...	...	...	...
(b). Mustard and rape ...	...	...	...	1	...	1	1	...
(c). Til or gingelly ...	...	...	...	...	...	...	...	...
(d). Other oilseeds ...	...	...	...	...	...	...	...	...
Sugar—								
(1). Refined ...	...	...	3	...	3	3	...	...
(2). Unrefined ...	...	...	...	...	...	...	...	...
Tobacco ...	...	...	1	...	...	1	1	...
Wood—								
(1). Timber ...	...	...	2	1	...	3	3	...
(2). Firewood ...	...	...	...	...	...	...	...	...
All other articles of merchandise—								
(1). Unmanufactured ...	...	...	...	...	...	...	...	...
(2). Manufactured ...	155	45	155	55	200	210	10	...
Total ...	253	2,032	431	2,320	2,285	2,751	2,269	1,743

## INCREASES.

Coal and coke ... 112 tons.  
Despatches of coal and coke to Gaffergaon for the service established from 1st January 1887.  
Jute ... 1,999 tons.  
Principally from Mymensingh.

## DECREASES.

Railway materials ... 1,690 tons.  
Due to completion of construction works generally.

CALCUTTA, the 23rd April 1887.

F. P. QUINLAN, Examiner.

## Bengal Central Railway.

*Abstract of principal commodities carried over the Bengal Central Railway during the month of February 1887, as compared with the same month of the previous year.*

STAPLES.	1887.		1886.		Total.		Increase.	Decrease.
	Up.	Down.	Up.	Down.	1887.	1886.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Betelnuts ...	...	406	...	119	406	119	287	...
Coal and coke ...	994	...	1,119	...	994	1,119	...	125
Cotton, raw ...	...	...	...	2	...	2	...	2
Cotton, manufactured—								
1.—Twist and yarn (European) ...	...	...	...	...	...	...	...	...
2.—Ditto do. (Indian) ...	...	...	...	...	...	...	...	...
3.—Piece-goods (European) ...	...	...	...	...	...	...	...	...
4.—Ditto do. (Indian) ...	...	...	...	...	...	...	...	...
Fibrous products—								
1.—Jute (screwed) ...	...	3	...	4	3	4	...	1
2.—Jute (unscrewed) ...	...	332	...	117	332	117	215	...
3.—Jute manufactured (gunny-bags and cloths) ...	12	4	9	1	16	10	6	...
Grain and Pulse—								
2.—Grain and pulse ...	38	85	22	114	123	136	...	13
4.—Rice, husked ...	3	334	3	218	337	221	116	...
Hides and Skins—								
1.—Hides of cattle ...	...	67	...	62	67	62	5	...
2.—Skins of sheep, goats, and small animals ...	...	...	...	...	...	...	...	...
Metals and manufactures of—								
1.—Brass and copper ...	...	73	45	12	108	57	51	...
2.—Iron ...	...	...	...	...	...	...	...	...
3.—Other metals ...	...	...	...	...	...	...	...	...
Ons ...	81	...	42	...	81	42	39	...
Kerosine oil ...	35	...	...	...	35	...	35	...
Provisions—								
1.—Ghee ...	...	175	167	43	345	210	135	...
2.—Other kinds ...	...	...	...	...	...	...	...	...
Railway materials ...	59	15	1,042	256	74	1,298	...	1,224
Salt ...	122	...	84	...	122	84	38	...
Seeds—								
1.—Oilseeds—								
a.—Linseed ...	...	...	...	...	...	...	...	...
b.—Mustard and rape ...	...	...	...	...	...	...	...	...
c.—Til or gingelly ...	...	...	...	...	...	...	...	...
d.—Other oilseeds ...	...	...	...	...	...	...	...	...
Sugar—								
1.—Refined ...	...	695	17	903	750	920	...	170
2.—Unrefined ...	...	...	...	...	...	...	...	...
Tobacco ...	31	3	19	1	31	20	11	...
Wood—								
1.—Timber ...	...	8	10	15	30	25	5	...
2.—Firewood ...	...	...	...	...	...	...	...	...
All other articles of merchandise—								
1.—Unmanufactured ...	...	...	...	...	...	...	...	...
2.—Manufactured ...	...	...	...	...	...	...	...	...
Total ...	2,590	2,395	2,924	2,201	4,515	5,123	1,107	1,633

## INCREASES.

Betelnuts ...	...	287 tons.
Principally for British Burma.	...	...
Jute ...	...	215 tons
From the Magurah and Madaripur districts; also from Khulna and Mus andpur.	...	...
Rice ...	...	116 tons.
Crops good.	...	...
Provisions ...	...	135 tons.
Attributable to fluctuating demand and supplies.	...	...
Seeds ...	...	160 tons.
Principally from Chandpara.	...	...

## DECREASES.

Coal and coke ...	...	125 tons.
Smaller despatches during the month for the railway and steamer services.	...	...
Railway materials ...	...	1,224 tons.
The larger figure for 1886 represents despatches of material for repairs of flood damages of 1885, and of block stone from Koochta for protection of bridges, the necessity for which did not exist during the period under notice.	...	...
Sugar ...	...	170 tons.
Falling off in despatches from Guberdanga and Jhikarachee owing to depression of trade in this commodity.	...	...

CALCUTTA, the 23rd April 1887.

F. P. QUINLAN, Examiner.



## Nalhati State Railway.

Statement showing Increases and Decreases in tonnage of Staples carried over the line during the month of March 1887, as compared with the corresponding period of March 1886.

STAPLES.	1886.		1887.		1886.	1887.	Increase.	Decrease.
	Up.	Down.	Up.	Down.	Total.	Total.		
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Coal ... ..	901	.....	1,060	.....	901	1,060	159	.....
Cotton, raw ... ..	15	.....	4	.....	15	4	.....	11
Cotton twist and yarn—								
1.—European ... ..	.....	.....	1	.....	.....	1	1	.....
Cotton piece-goods—								
1.—European ... ..	35	.....	35	.....	35	35	1	.....
Drugs and Medicines—								
2.—Non-intoxicating—								
b.—Others ... ..	.....	.....	.....	1	.....	1	1	.....
Grains—								
2.—Rice ... ..	51	94	101	843	145	944	629	.....
5.—Others ... ..			4	25		29		
Hides and skins—								
1.—Hides of cattle—								
a.—Dressed ... ..	.....	.....	4	6	.....	10	10	.....
2.—Skins of sheep—								
a.—Dressed ... ..	.....	.....	.....	1	.....	1	1	.....
Jute—								
1.—Raw ... ..	.....	.....	1	44	.....	45	45	.....
2.—Gunny-bags and cloth	.....	.....	17	4	.....	21	21	.....
Liquors—								
1.—Beer ... ..	.....	.....	1	.....	.....	1	1	.....
2.—Wines ... ..	.....	.....	1	.....	.....	1	1	.....
Metals—								
1.—Copper unwrought ... ..	14	5	1	.....	29	1	.....	9
2.—Iron ... ..			6	.....		6		
4.—Others ... ..			10	3		13		
Oils—								
1.—Castor ... ..	.....	.....	1	.....	.....	1	1	.....
3.—Others ... ..	.....	.....	1	.....	.....	1	1	.....
Oilseeds—								
2.—Mustard and rape ... ..	13	120	202	.....	133	202	75	.....
6.—Others ... ..			6	.....		6		
Paper and pasteboard	.....	.....	2	.....	.....	2	2	.....
Provisions—								
1.—Ghee ... ..	.....	.....	4	.....	.....	4	4	.....
2.—Dried fruits and nuts	.....	.....	1	.....	.....	1	1	.....
3.—Others ... ..	.....	.....	.....	3	.....	3	3	.....
Railway plant and rolling-stock	.....	5	18	3	5	21	16	.....
Salt ... ..	5	.....	12	.....	5	12	7	.....
Silk, raw—								
2.—Indian ... ..	64	31	48	5	95	53	.....	42
Silk piece-goods—								
2.—Indian ... ..	.....	.....	.....	5	.....	5	5	.....
Spices—								
1.—Pepper ... ..	.....	.....	1	.....	.....	1	1	.....
Sugar—								
1.—Drained ... ..	9	.....	25	.....	9	25	16	.....
Umbrellas ... ..	.....	.....	1	.....	.....	1	1	.....
All other merchandise	141	46	54	26	187	80	.....	107
Total ... ..	1,248	301	1,623	969	1,559	2,592	1,202	199

## INCREASE.

	Tons.
Coal	159
This increase is due to larger import on account of excessive brick-burning.	
Grains—Rice	228
The increase in this is due to plentiful crops and larger export from intermediate stations—Bokhara, Nooda and Takipur.	
Jute	45
This increase is due to greater demand and the river communication being stopped for want of sufficient water.	
Gunny-bags and cloth	21
This increase is due to increased grain traffic.	
Oilseeds—Mustard and rape	75
This increase is due to greater demands in the market.	
Railway plant and rolling-stock	16
This increase is due to greater quantity of materials carried during the month.	
Sugar, drained	16
This increase is due to greater demand.	

## DECREASE.

	Tons.
Silk, raw—Indian	42
This decrease is due to less import of fusser cocoons during the month.	

NALHATI, the 22nd April 1887.

R. G. MOOKERJEE, Manager.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY.

Approximate Return of Traffic for week ended 16th April 1887, on 1,519 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	254,141	*3,00,737 6 0	25,65,870 10	6,81,736 9 0	18,003 13 0	10,00,477 12 0	71,450½	114,590½	186,041½
Or per mile of railway ...	.....	197 15 9	.....	448 12 11	11 13 7	658 10 3	.....	.....	.....
For previous 14 weeks of half-year ...	3,569,733	41,88,174 7 0	3,70,50,288 0	96,03,278 11 7	2,58,298 14 9	1,40,49,752 1 4	963,106	1,560,959	2,524,065
Total for 15 weeks ...	3,822,880	44,88,911 13 0	3,96,16,158 10	1,02,85,015 4 7	2,76,302 11 9	1,60,50,229 13 4	1,034,556½	1,675,549½	2,710,106½
COMPARISON.									
Total for corresponding week of previous year ...	261,063	2,65,851 1 10	28,76,131 30	6,80,133 3 6	22,430 5 9	9,68,414 11 1	66,840	114,898	181,738
Per mile of railway correspond- ing week of previous year ...	.....	175 7 8	.....	448 14 11	14 12 11	639 3 6	.....	.....	.....
Total to corresponding date of previous year ...	3,622,690	43,51,086 11 6	4,19,85,758 10	1,01,67,075 4 6	3,29,727 11 0	1,48,47,889 11 0	1,029,182	1,710,644	2,739,826

\* The increase in coaching traffic is on account of ordinary special and troop extra trains.

Approximate Statement of gross receipts of the East Indian Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 16TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
1,613	Rs. 9,68,415	Rs. 639	1,519	Rs. 10,00,478	Rs. 659	1,515	Rs. 24,35,311	Rs. 1,607	1,519	Rs. 22,88,396	Rs. 1,507	Rs. ....	1,46,915

## PATNA-GYA STATE RAILWAY.

Approximate Return of Traffic for week ended 16th April 1887, on 57½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	15,510	7,046 2 0	53,967 20	3,840 5 0	44 0 0	10,930 7 0	1,706	1,368	3,074
Or per mile of railway ...	271	123 2 11	943 20	67 2 3	0 12 4	191 1 6	.....	.....	.....
For previous 14 weeks of half-year ...	191,626	1,05,987 7 0	7,53,735 10	45,217 14 9	807 4 6	1,52,012 19 8	24,448	12,747	37,195
Total for 15 weeks ...	207,136	1,13,033 9 0	8,07,692 30	49,058 3 9	851 4 6	1,62,943 1 3	26,154	14,115	40,269
COMPARISON.									
Total for corresponding week of previous year ...	15,246	7,343 6 2	55,926 30	5,249 7 0	48 1 3	12,640 14 5	1,527	980	2,507
Per mile of railway correspond- ing week of previous year ...	267	128 6 1	962 0	91 12 5	0 13 5	220 15 11	.....	.....	.....
Total to corresponding date of previous year ...	205,006	1,12,576 15 19	7,80,252 0	54,311 7 0	837 11 9	1,67,726 2 7	26,014	12,822	39,440

Approximate Statement of gross receipts of the Patna-Gya State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 16TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
57½	Rs. 12,641	Rs. 221	57½	Rs. 10,930	Rs. 191	57½	Rs. 34,326	Rs. 600	57½	Rs. 25,799	Rs. 451	Rs. ....	8,527

## DILDARNAGAR-GHAZIPUR STATE RAILWAY.

Approximate Return of Traffic for week ended 16th April 1887, on 12 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	3,006	504 1 5	25,125 30	722 13 0	11 9 0	1,238 7 0	337½	156	493½
Or per mile of railway ...	.....	42 0 1	.....	60 3 9	0 15 5	103 3 3	.....	.....	.....
For previous 14 weeks of half-year ...	39,541	6,837 5 0	2,81,409 10	6,823 6 0	85 4 3	13,745 15 3	4,837½	2,142	6,979½
Total for 15 weeks ...	42,547	7,341 6 0	3,06,595 0	7,546 3 0	96 13 3	14,084 6 3	5,175	2,298	7,473
COMPARISON.									
Total for corresponding week of previous year ...	3,355	573 14 4	20,272 10	545 8 0	66 8 0	1,185 14 4	319	17½	493
Per mile of railway corresponding week of previous year ...	.....	47 13 2	.....	45 7 4	5 8 8	98 13 2	.....	.....	.....
Total to corresponding date of previous year ...	39,632½	6,765 14 2	5,49,431 0	7,609 5 0	593 5 0	14,968 8 2	3,092½	4,619	7,711½

Approximate Statement of gross receipts of the Dildarnagar-Ghazipur State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 16TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
12	1,186	99	12	1,298	103	12	2,731	228	12	2,396	200	.....	335

## SINDIA STATE RAILWAY.

Approximate Return of Traffic for week ended 16th April 1887, on 74½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	6,143	4,832 13 0	93,898 20	3,513 14 0	112 13 0	8,459 8 0	762½	1,133½	1,896½
Or per mile of railway ...	.....	64 9 9	.....	46 15 8	1 8 1	113 1 6	.....	.....	.....
For previous 14 weeks of half-year ...	80,651	61,935 12 0	14,52,331 0	68,578 0 0	1,330 7 9	1,31,844 3 9	10,687	16,946½	27,633½
Total for 15 weeks ...	86,794	66,768 9 0	15,46,229 20	72,091 14 0	1,443 4 9	1,40,303 11 9	11,449½	18,080½	29,530
COMPARISON.									
Total for corresponding week of previous year ...	5,616½	4,771 1 10	98,340 20	3,945 8 0	80 1 0	8,796 10 10	690	1,485	2,175
Per mile of railway corresponding week of previous year ...	.....	63 12 7	.....	52 11 11	1 1 2	117 9 8	.....	.....	.....
Total to corresponding date of previous year ...	85,432½	69,912 11 0	12,90,763 20	54,582 10 0	1,646 4 0	1,26,141 9 0	19,365	17,542	36,907

Approximate Statement of gross receipts of the Sindia State Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 16TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
74½	8,797	118	74½	8,460	113	74½	19,334	258	74½	19,369	269	35	.....



## TARKESSUR BRANCH RAILWAY.

*Approximate Return of Traffic for week ended 16th April 1887, on 22½ miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	33,721	10,376 9 0	6,677 10	224 12 0	7 10 0	10,608 15 0	981	53	1,034
Or per mile of railway ...	.....	466 5 10	.....	10 1 7	0 5 6	470 12 11	.....	.....	.....
For previous 14 weeks of half-year ...	281,908	77,074 6 0	1,24,826 20	4,137 1 0	93 3 3	81,304 10 3	13,441	579	14,020
Total for 15 weeks ...	315,629	87,450 15 0	1,31,503 30	4,361 13 0	100 13 3	91,913 9 3	14,422	632	15,054
COMPARISON.									
Total for corresponding week of previous year ...	30,652½	9,004 13 1	6,076 0	249 0 0	17 14 6	9,271 11 7	1,102	42	1,144
Per mile of railway corresponding week of previous year ...	.....	404 11 4	.....	11 3 1	6 12 11	416 11 4	.....	.....	.....
Total to corresponding date of previous year ...	319,253½	85,287 3 8	1,78,868 30	6,023 10 0	103 3 8	91,414 1 4	15,774	2,174	17,948

*Approximate Statement of gross receipts of the Tarkessur Branch Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 16TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
22½	9,272	417	22½	10,609	477	22½	19,115	859	22½	19,460	875	345	.....

## INDIAN MIDLAND RAILWAY.

*Approximate Return of Traffic for week ended 16th April 1887, on 42 miles open.*

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week...	2,499	1,116 12 6	50,941 0	3,733 11 0	40 14 0	4,891 5 6	177	453	630
Or per mile of railway ...	.....	26 9 5	.....	88 14 4	0 15 7	116 7 4	.....	.....	.....
For previous 14 weeks of half-year ...	35,686	16,885 10 6	7,06,763 30	46,719 4 0	467 2 9	64,072 1 3	2,781	8,517	11,298
Total for 15 weeks ...	38,185	18,602 7 0	7,56,804 30	50,452 15 0	508 0 9	68,963 6 9	2,958	8,970	11,928
COMPARISON.									
Total for corresponding week of previous year ...	2,189½	966 14 9	15,430 30	1,673 6 0	31 2 0	2,671 6 9	219	369	588
Per mile of railway corresponding week of previous year ...	.....	23 0 4	.....	39 13 6	0 11 10	63 9 8	.....	.....	.....
Total to corresponding date of previous year ...	4,022½	2,125 11 9	41,037 10	4,242 8 0	57 15 9	6,426 3 6	684	744	1,428

*Approximate Statement of gross receipts of the Indian Midland Railway, prepared in accordance with Public Works Department Circular No. XXI, Railway, dated 23rd July 1883.*

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 16TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
42	2,671	64	42	4,891	116	42	6,426	153	42	8,874	211	2,448	.....

## EASTERN BENGAL STATE RAILWAY.

(INCLUDING N. B., DACCA, K. AND D. AND ASSAM BEHAR SECTIONS.)

Approximate Return of Traffic for week ending 16th April 1887, on 645 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated). including Steam-boat.	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	124,423	53,190 0 0	446,101 0	59,760 0 0	10,040 0 0	1,21,990 0 0	19,818	15,803	35,621
Or per mile of railway ...	193	81 0 0	682 0	93 0 0	.....	174 0 0	.....	.....	.....
For previous 14 weeks of half-year ...	1,962,248	9,23,173 0 0	74,08,160 0	11,37,628 0 0	1,86,732 0 0	22,41,533 0 0	275,787	282,637	558,424
Total for 15 weeks ...	2,086,671	9,75,363 0 0	78,48,261 0	11,97,358 0 0	1,96,772 0 0	23,63,523 0 0	295,553	298,440	593,993
COMPARISON.									
Total for corresponding week of previous year (audited) ...	*152,062	58,654 0 0	4,56,197 0	60,677 0 0	11,439 0 0	1,30,170 0 0	17,481	19,126	36,607
Per mile of railway corresponding period of previous year ...	231	97 0 0	753 0	99 0 0	.....	196 0 0	.....	.....	.....
Total to corresponding date of previous year ...	1,976,285	8,98,882 0 0	91,55,155 0	11,94,729 0 0	1,92,729 0 0	22,86,340 0 0	261,464	333,499	594,963

\* Includes monthly tickets.

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Eastern Bengal State Railway system.

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 16TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	
606	1,30,170	215	645	1,21,990	189	606	3,17,493	(a) 362	645	3,00,010	a 332	.....	17,483

(a) Average receipt per mile per week.

## BENGAL CENTRAL RAILWAY.

Approximate Return of Traffic for week ended 16th April 1887, on 125 miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. S.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	20,692	6,859 0 0	37,083 0	2,570 0 0	30 0 0	9,450 0 0	3,786	* 1,424	5,210
Or per mile of railway ...	165	55 0 0	297 0	20 0 0	.....	75 0 0	.....	.....	.....
For previous 14 weeks of half-year ...	348,592	1,28,913 0 0	4,82,256 0	39,951 0 0	621 0 0	1,60,485 0 0	53,638	20,375	74,013
Total for 15 weeks ...	369,194	1,35,763 0 0	5,19,339 0	33,521 0 0	651 0 0	1,69,935 0 0	57,424	21,799	79,223
COMPARISON.									
Total for corresponding week of previous year ...	*27,960	7,486 0 0	38,372 0	2,249 0 0	16 0 0	9,751 0 0	3,892	1,318	5,210
Per mile of railway corresponding period of previous year ...	224	60 0 0	307 0	18 0 0	.....	78 0 0	.....	.....	.....
Total to corresponding date of previous year ...	372,346	1,30,943 0 0	5,95,360 0	32,676 0 0	428 0 0	1,61,649 0 0	59,110	20,658	79,768

\* Includes monthly tickets.

## FINANCIAL YEAR.

Approximate Statement of Gross Receipts of the Bengal Central Railway.

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR FIRST WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO WEEK ENDING 17TH APRIL 1886.			TOTAL RECEIPTS FROM 1ST APRIL 1887 TO WEEK ENDING 16TH APRIL 1887.			Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Per mile worked.		
	Rs.	Rs.		Rs.	Rs.		Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
125	9,751	78	125	9,450	76	125	25,696	(a) 103	125	23,658	(a) 95	.....	2,038

(a) Per mile per week.

## TIRHOOT STATE RAILWAY.

Approximate Return of Traffic for the week ending 16th April 1887, on 249(a) miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week on 249 miles open ...	34,585	13,279 14 11	1,40,137 30	13,567 9 0	3,235 0 6	30,082 8 5	5,220	5,341	10,561
Or per mile of railway ...	139	53 5 0	599 0	54 8 0	2 15 0*	110 12 0*	.....	.....	.....
For previous 14 weeks of half-year ...	529,008	2,08,025 1 1	22,87,182 30	2,30,157 7 0	43,110 15 6	4,81,294 7 7	79,324	80,608	159,932
Total for 15 weeks ...	564,253	2,21,306 0 0	24,26,320 0	2,43,725 0 0	46,346 0 0	5,11,377 0 0	84,544	85,949	170,493
COMPARISON.									
Total for corresponding week of previous year on 246 miles open ...	41,536	13,210 13 4	1,33,222 20	12,977 3 0	2,607 4 4	28,835 4 8	5,200	5,651	10,851
Per mile of railway corresponding week of previous year ...	169	53 11 0	542 0	52 12 0	1 0 0	107 7 0*	.....	.....	.....
Total to corresponding date of previous year ...	524,209½	1,83,260 10 2	18,71,814 20	1,88,390 4 3	42,682 1 3	4,14,332 15 8	66,081	72,854	138,935

(a) 3 miles from Anarpur Junction to Sonapur Junction opened for traffic from 1st April 1887.

\* Steam-boat earnings excluded in calculating "Total earnings per mile of Railway."

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Tirhoot State Railway.

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.		TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 16TH APRIL 1887.		Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.		
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
246	28,885	117	249	30,083	121	246	84,431	249	97,661	13,227	.....

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for the week ending 16th April 1887, on 27½ miles open.

	COACHING TRAFFIC.		MERCHANDISE AND MINERAL TRAFFIC.		Other earnings (estimated).	Total earnings.	TRAFFIC TRAIN-MILES RUN.		
	Number of passengers.	Coaching receipts.	Weight carried.	Receipts.			Coaching.	Merchandise.	Total.
		Rs. A. P.	Mds. s.	Rs. A. P.	Rs. A. P.	Rs. A. P.			
Total traffic for the week ...	2,679	973 1 10	9,457 20	687 13 0	10 3 8	1,071 2 6	509	254	763
Or per mile of railway ...	98	35 11 0	347 0	25 4 0	0 6 0	61 5 0	.....	.....	.....
For previous 14 weeks of half-year ...	42,944	16,093 14 2	2,04,590 20	11,349 3 0	351 12 4	27,794 13 6	7,198	5,225	12,423
Total for 15 weeks ...	45,623	17,067 0 0	2,14,048 0	12,037 0 0	362 0 0	29,466 0 0	7,707	5,479	13,186
COMPARISON.									
Total for corresponding week of previous year ...	2,176	954 5 6	10,037 30	685 15 0	11 12 6	1,652 1 0	509	254	763
Per mile of railway corresponding week of previous year ...	80	35 0 0	368 0	25 3 0	0 7 0	60 10 0	.....	.....	.....
Total to corresponding date of previous year ...	39,796	15,573 4 3	1,39,921 30	9,772 12 6	306 9 6	25,632 10 6	7,780	4,101	11,881

## FINANCIAL YEAR.

Approximate Statement of gross receipts of the Nalhati State Railway.

RECEIPTS FOR WEEK ENDING 17TH APRIL 1886.			RECEIPTS FOR WEEK ENDING 16TH APRIL 1887.			TOTAL RECEIPTS FROM 1ST APRIL 1886 TO 17TH APRIL 1886.		TOTAL RECEIPTS FROM 1ST APRIL 1887 TO 16TH APRIL 1887.		Total increase in 1887.	Total decrease in 1887.
Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Receipts.	Per mile worked.	Mean mileage worked.	Total receipts.	Mean mileage worked.	Total receipts.		
	Rs.	Rs.		Rs.	Rs.		Rs.		Rs.	Rs.	Rs.
27½	1,652	61	27½	1,671	61	27½	5,097	27½	5,523	428	.....



## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

							Rs.	A.	P.
Approximate earnings for week ending 2nd April 1887	...	...	...	...	...	...	8,026	0	0
Corresponding week last year	...	...	...	...	...	...	9,720	0	0
Decrease	...	...	...	...	...	...	1,694	0	0
Receipts from 1st January to 2nd April 1887	...	...	...	...	...	...	81,485	0	0
From 1st January to 3rd April 1886	...	...	...	...	...	...	98,063	0	0
Decrease	...	...	...	...	...	...	16,578	0	0
Miles open week ending 2nd April 1887	...	...	...	...	...	...	51		
Corresponding week last year	...	...	...	...	...	...	50½		
Increase	...	...	...	...	...	...	½		
Receipts per mile open week ending 2nd April 1887	...	...	...	...	...	...	176	15	11
Corresponding week last year	...	...	...	...	...	...	191	8	5
Decrease	...	...	...	...	...	...	14	8	6

CHIEF OFFICE, DARJEELING, 18th April 1887.

W. STEVENSON, Secretary, D.-H.

## DARJEELING-HIMALAYAN RAILWAY COMPANY, LIMITED.

							Rs.	A.	P.
Approximate earnings for week ending 9th April 1887	...	...	...	...	...	...	10,315	0	0
Corresponding week last year	...	...	...	...	...	...	8,924	0	0
Increase	...	...	...	...	...	...	1,391	0	0
Receipts from 1st January to 9th April 1887	...	...	...	...	...	...	91,800	0	0
From 1st January to 10th April 1886	...	...	...	...	...	...	1,06,987	0	0
Decrease	...	...	...	...	...	...	15,187	0	0
Miles open, week ending 9th April 1887	...	...	...	...	...	...	51		
Corresponding week last year	...	...	...	...	...	...	50½		
Increase	...	...	...	...	...	...	½		
Receipts per mile open, week ending 9th April 1887	...	...	...	...	...	...	202	4	1
Corresponding week last year	...	...	...	...	...	...	175	13	7
Increase	...	...	...	...	...	...	26	6	6

CHIEF OFFICE, DARJEELING, the 18th April 1887.

W. STEVENSON, Secretary, D.-H. Ry.

## DARJEELING HIMALAYAN RAILWAY COMPANY, LIMITED.

							Rs.		
Approximate earnings for week ending 16th April 1887	...	...	...	...	...	...	8,041		
Corresponding week last year	...	...	...	...	...	...	12,856		
Decrease	...	...	...	...	...	...	4,815		
Receipts from 1st January to 16th April 1887	...	...	...	...	...	...	1,00,743		
From 1st January to 17th April 1886	...	...	...	...	...	...	1,19,813		
Decrease	...	...	...	...	...	...	19,100		
Miles open week ending 16th April 1887	...	...	...	...	...	...	51		
Corresponding week last year	...	...	...	...	...	...	50½		
Increase	...	...	...	...	...	...	½		
Receipts per mile open week ending 16th April 1887	...	...	...	...	...	...	157	10	8
Corresponding week last year	...	...	...	...	...	...	253	5	2
Decrease	...	...	...	...	...	...	95	10	9

CHIEF OFFICE, DARJEELING, the 3rd April 1887.

W. STEVENSON, Secretary D.-H. Ry.



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, MAY 4, 1887.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

### CONTENTS.

	Page.		Page.
DISTRICT ROAD FUND .....	797	STATEMENT showing the results of the Registration of	
Progress Report of the Bengal Economic and Art Museum .....	800	Births and Deaths in the Principal Municipalities in	
Rainfall, Weather, and State and Prospects of the		Bengal during the week ending 16th April 1887 .....	813
Crops .....	801	South-Western Circle—Orissa Coast Canal for the month	
Results of the Meteorological Observations taken at the		of March 1887 .....	815
Alipore Observatory from 24th to 30th April 1887 .....	803	South-Western Circle—Calcutta and Eastern Canals for	
Meteorological Report of the Province of Bengal for the		the month of March 1887 .....	816
week ending Friday, the 29th April 1887 .....	804	Circular and Eastern Canals for the week ending 30th	
Statement of Rainfall in Bengal for the week ending		April 1887 .....	820
Friday (6 p.m.), the 29th of April 1887 .....	806	Weekly Return of Traffic Receipts on Indian Railways .....	821
Results of the Thermometrical Observations taken at			
the Meteorological Office, Chowringhee, from 24th			
to 30th April 1887 .....	811		

### DISTRICT ROAD FUND.

No. 1256R.C.

GOVERNMENT OF BENGAL—PUBLIC WORKS DEPARTMENT.

ROAD CESS.

*Dated Calcutta, the 25th April 1887.*

READ—

Letter from the Accountant-General, Bengal, No. 65L.F., dated the 19th April 1887, submitting an abstract of receipts and expenditure of the several District Road Committees in Bengal for the quarter ending the 30th September 1886.

### RESOLUTION.

The Lieutenant-Governor directs that the accounts of the receipts and expenditure of the several District Road Committees for the fourth quarter of the cess year 1885-86 be published in the *Calcutta Gazette* and circulated to the officers concerned.

ORDER—Ordered that a copy of this Resolution, together with a copy of the abstract of receipts and expenditure, be published in the Supplement to the *Calcutta Gazette*.

Ordered also that a copy of this Resolution, and of the abstract referred to, be forwarded to all Commissioners of Divisions, to all Superintending Engineers of Public Works Circles in Bengal, and to the Financial Department of this Government, for information.

By order of the Lieutenant-Governor of Bengal,

W. B. BESTIC,

*Under-Secy. to the Govt. of Bengal,*

*P. W. Dept.*

## DISTRICT

## Statement of Receipts and Expenditure of the several District

DISTRICTS.	Balance in treasury on 1st July 1886.	PROVINCIAL RATES.					Interest on arrears of road cess.	PUBLIC Road tolls.
		Cess on lands.	Cess on mines and railways.	Cess on houses.	One per cent. road cess.	Total.		
		Rs. A. P.	Rs. A. P.	Rs. A. P.		Rs. A. P.	Rs. A. P.	
1 Burdwan	54,245 6 7	9,692 15 3	5,711 10 10	.....	.....	15,404 10 1	389 6 2	.....
Bankoora	26,580 6 5	8,180 8 5	20 0 3	.....	.....	8,200 8 8	727 0 4	.....
Beerbhoom	32,639 10 1	14,149 0 4	.....	.....	.....	14,149 0 4	134 5 2	.....
Midnapore	91,563 4 9	40,459 2 9	.....	.....	.....	40,459 2 9	954 7 7	.....
5 Hooghly and Howrah	38,782 8 7	31,415 13 9	.....	.....	.....	34,415 13 9	1,705 9 6	.....
24 Pergunnahs	16,305 5 6	26,641 14 5	.....	.....	.....	26,641 14 5	686 9 9	.....
Nudda	10,904 15 6	14,645 3 3	.....	.....	.....	14,645 3 3	148 5 10	.....
Jessore	14,027 9 10	23,016 1 6	.....	.....	.....	23,016 1 6	214 13 0	.....
Khoolna	36,603 7 3	14,496 10 3	.....	.....	.....	14,496 10 3	143 10 8	.....
10 Moorshedabad	27,502 11 5	16,548 4 1	.....	.....	.....	16,548 4 1	53 3 11	.....
Dinapore	22,000 10 0	26,328 2 1	.....	.....	.....	26,328 2 1	112 7 1	.....
Rajshahye	24,668 14 11	22,995 4 7	.....	.....	.....	22,995 4 7	355 15 1	.....
Rangpore	35,490 2 2	43,179 8 10	.....	.....	.....	43,179 8 10	347 1 0	.....
Bogra	34,728 12 0	12,204 15 5	.....	.....	.....	12,204 15 5	58 4 1	.....
15 Pabna	48,896 14 2	13,086 6 10	.....	.....	.....	13,086 6 10	223 14 5	.....
Darjeeling	21,102 8 2	1,778 6 10	41 7 0	.....	.....	1,819 13 10	.....	.....
Julpigoree	1,876 7 7	11,836 14 9	.....	.....	.....	11,836 14 9	91 2 2	.....
Dacca	80,367 12 6	17,850 4 4	.....	.....	.....	17,850 4 4	611 8 3	.....
Furriedpore	4,274 5 4	17,756 6 10	.....	.....	.....	17,756 6 10	404 9 3	.....
20 Backergunge	52,979 9 7	25,406 11 10	.....	.....	.....	25,406 11 10	476 11 11	.....
Tippurah	78,720 11 11	19,677 4 6	.....	.....	.....	19,677 4 6	344 11 6	.....
Mymensingh	94,272 4 9	34,163 6 0	.....	.....	.....	34,163 6 0	118 14 4	.....
Chittagong	54,574 2 8	17,878 4 6	.....	.....	.....	17,878 4 6	506 0 11	.....
Noakhilly	19,806 10 7	19,587 1 4	.....	.....	.....	19,587 1 4	102 9 10	.....
25 Patna	78,417 2 2	39,406 10 11	.....	.....	.....	39,406 10 11	1,162 13 4	.....
Gya	30,464 8 2	85,291 8 1	6 7 0	.....	.....	85,297 15 1	791 7 7	.....
Shahabad	56,779 2 10	27,621 5 4	.....	.....	.....	27,621 5 4	959 1 6	.....
Mozufferpore	38,255 5 11	28,087 8 10	.....	.....	.....	28,087 8 10	431 10 2	.....
Durbhunga	1,22,212 10 1	28,438 8 0	.....	.....	.....	28,438 8 0	1,422 7 6	.....
30 Sarun	1,35,150 8 10	47,511 2 4	.....	.....	.....	47,511 2 4	1,250 14 7	.....
Chumparun	15,983 7 7	10,700 7 4	.....	.....	.....	10,700 7 4	188 8 10	.....
Monghyr	58,055 15 8	29,860 2 1	.....	.....	.....	29,860 2 1	579 11 3	.....
Bhagulpur	52,793 13 7	22,170 7 11	.....	.....	.....	22,170 7 11	187 0 4	.....
Parmanah	20,733 5 9	25,174 3 7	.....	.....	.....	25,174 3 7	91 9 5	.....
35 Malda	18,341 3 5	8,055 7 11	.....	.....	.....	8,055 7 11	54 8 11	.....
Cuttack	45,896 1 6	1,717 3 7	.....	.....	.....	1,717 3 7	180 6 8	.....
Pooree	1,399 1 11	1,861 4 2	.....	.....	.....	1,861 4 2	136 6 0	.....
Balasore	18,417 5 11	1,857 7 0	.....	.....	.....	1,857 7 0	128 15 0	.....
Hazaribagh	24,583 11 0	2,606 8 9	893 6 0	.....	.....	2,609 14 9	66 9 8	.....
40 Lohardurga	20,080 5 10	738 15 5	.....	.....	.....	738 15 5	32 2 4	.....
Manbhoom	28,208 4 1	8,411 1 5	342 5 8	.....	.....	3,753 7 1	190 1 16	.....
Total	16,97,747 6 6	8,00,734 8 4	7,015 4 9	.....	.....	8,07,749 13 1	16,508 0 1	.....
NON-CESS DISTRICTS.								
Chittagong Hill Tracts	4,919 8 6	.....	.....	.....	.....	.....	.....	.....
Sonthal Pergunnahs	32,606 15 5	.....	2 10 6	.....	.....	2 10 6	.....	.....
44 Singhbhum	6,590 9 0	.....	.....	.....	.....	.....	.....	.....
Total	44,117 0 11	.....	2 10 6	.....	.....	2 10 6	.....	.....
GRAND TOTAL	17,41,864 7 5	8,00,734 8 4	7,017 15 3	.....	.....	8,07,752 7 7	16,508 0 1	.....

FORT WILLIAM,

The 25th March 1887.



## IPTS.

WORKS.		IRRIGATION.	MISCELLANEOUS.				DISTRICTS.
Ferry tolls.	Total.	Canal tolls.	Rent of serais and staging bungalows.	Fees, fines, and forfeitures.	Miscellaneous.	Total.	
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
.....	.....	.....	8 0 0	.....	14,176 1 6	14,184 1 6	Burdwan ... 1
.....	.....	.....	.....	95 11 0	651 1 3	746 12 3	Bankoora ...
.....	.....	.....	55 0 0	1,012 1 3	166 10 0	1,233 11 3	Boerbhoom ...
.....	.....	.....	3 0 0	285 11 0	430 4 0	718 15 0	Midnapore ...
.....	.....	1,300 0 0	.....	-3,350 7 0	2,521 7 1	-828 15 11	Hooghly and Howrah ... 5
.....	.....	.....	126 2 0	.....	6,464 15 3	6,501 1 3	24 Pergunnahs ...
.....	.....	.....	45 8 0	4 4 0	33 10 10	83 6 10	Nuddea ...
.....	.....	.....	.....	7 10 0	376 6 9	384 0 9	Jessore ...
.....	.....	.....	.....	.....	22 0 0	22 0 0	Khoolna ...
.....	.....	.....	.....	7 14 0	12 8 0	20 6 3	Moorshedabad ... 10
.....	.....	.....	.....	102 4 0	55 3 6	157 7 6	Dinagapore ...
.....	.....	.....	74 8 0	61 11 6	181 12 0	317 15 6	Rajshahye ...
.....	.....	.....	.....	1,691 2 5	477 7 6	2,168 9 11	Rungpore ...
.....	.....	.....	1 0 0	2 0 0	552 7 3	555 7 3	Bogra ...
.....	.....	.....	.....	18 5 9	318 13 3	337 3 0	Pubna ... 15
.....	.....	.....	.....	.....	13 0 9	13 0 9	Darjeeling ...
.....	.....	.....	158 6 0	1 10 0	428 12 3	588 12 3	Julpigoree ...
1,101 10 0	1,101 10 0	.....	.....	543 13 9	174 7 6	718 5 3	Dacca ...
.....	.....	.....	.....	946 6 7	47 14 6	994 5 1	Furzedpore ...
.....	.....	.....	.....	674 7 6	24 12 0	699 3 6	Backergunge ... 20
.....	.....	.....	.....	400 8 3	282 1 3	682 9 6	Tipperah ...
.....	.....	.....	.....	897 8 9	.....	897 8 9	Mymensingh ...
.....	.....	4,022 4 0	3 0 0	254 1 0	2,570 13 0	2,827 14 0	Chittagong ...
.....	.....	.....	.....	16 6 9	72 2 6	88 9 3	Noakholly ...
.....	.....	.....	413 10 0	209 11 8	204 14 9	828 4 5	Patna ... 25
.....	.....	.....	5 0 0	1,580 11 9	314 4 0	1,890 15 9	Gya ...
.....	.....	.....	90 8 0	145 4 6	24 14 6	261 11 0	Shahabad ...
.....	.....	.....	190 8 0	74 12 0	29 6 0	294 10 0	Mozufferpore ...
.....	.....	.....	642 0 0	-13,124 0 11	24 1 0	-12,457 15 11	Durbhanga ...
.....	.....	.....	187 14 0	109 2 0	101 12 0	398 12 0	Saran ... 30
.....	.....	.....	.....	12 0 0	66 13 1	78 13 1	Chumparaia ...
.....	.....	.....	.....	-10 13 1	90 7 3	79 10 2	Monghyr ...
.....	.....	.....	1 8 0	541 10 3	289 11 4	832 13 7	Bhagulpur ...
147 8 0	147 8 0	.....	13 0 0	.....	26 4 6	39 4 6	Purneah ...
.....	.....	.....	.....	.....	66 12 6	66 12 3	Maldah ... 35
.....	.....	.....	188 7 2	1,107 12 0	149 5 6	1,505 8 8	Cuttack ...
.....	.....	.....	.....	-911 8 0	8 4 1	-903 3 11	Pooree ...
.....	.....	.....	25 0 0	23 14 0	42 12 6	91 10 6	Balasore ...
.....	.....	.....	9 0 0	10 8 0	2 5 6	21 13 6	Hazaribagh ...
.....	.....	.....	2 13 0	99 12 0	-44 3 4	58 5 8	Lohardugga ... 40
.....	.....	.....	897 12 0	188 0 0	2 11 3	1,048 7 3	Manbhoom ...
1,240 2 0	1,240 2 0	6,222 4 0	2,975 6 2	-6,082 15 1	31,455 4 1	28,347 11 2	Total.
.....	.....	.....	65 4 0	2 8 0	91 1 6	158 13 6	Chittagong Hill Tracts ...
.....	.....	.....	.....	.....	.....	.....	Sonthal Pergunnahs ...
.....	.....	.....	65 4 0	2 8 0	91 1 6	158 13 6	Singbhoom ... 64
1,240 2 0	1,240 2 0	6,222 4 0	3,040 10 2	-6,080 7 1	31,546 5 7	28,506 8 8	GRAND TOTAL.

CHES DISTRICTS.

NON-CHES DISTRICTS.

RECE

DISTRICTS.	Grant from Government.	SUSPENSE ACCOUNT.			Total receipts.
		Advances.	Deposits.	Total.	
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan ... ..	850 0 0	4,035 8 3	53 4 0	4,088 12 3	34,896 14 0
Bankoora ... ..	2,116 13 2	7,556 1 3	.....	7,556 1 3	19,347 3 8
Beerbhoom ... ..	150 0 0	1,100 0 0	.....	1,100 0 0	16,767 0 10
Midnapore ... ..	690 0 0	11,656 5 0	43 4 3	11,699 9 3	50,452 2 7
5 Hooghly and Howrah ... ..	.....	22,094 5 0	.....	22,094 5 0	55,086 12 4
24 Pergunnahs ... ..	2,646 0 3	1,154 12 9	.....	1,154 12 9	37,720 6 5
Naddea ... ..	1,256 8 5	5,694 4 9	294 9 6	5,988 13 9	22,122 6 1
Jessore ... ..	690 0 0	3,982 12 9	.....	3,982 12 9	28,197 12 0
Khoolna ... ..	21 11 3	5,818 11 6	237 12 6	6,056 8 0	20,740 8 2
10 Moorshedabad ... ..	576 2 6	2,129 8 10	.....	2,129 8 10	19,627 9 7
Dinagopore ... ..	360 0 0	4,577 1 6	.....	4,577 1 6	31,475 2 2
Rajshahye ... ..	550 0 0	21,501 12 11	.....	21,501 12 11	45,721 0 1
Rangpore ... ..	450 0 0	11,370 5 0	-27 13 9	11,342 7 3	57,487 6 0
Bogra ... ..	290 0 0	5,796 9 7	218 11 0	6,015 4 7	19,133 15 4
15 Pubna ... ..	759 8 2	8,664 9 0	.....	8,664 9 0	23,071 9 5
Darjeeling ... ..	638 8 3	5,802 14 9	.....	5,802 14 9	8,174 5 7
Julpigoree ... ..	2,364 3 6	187 11 7	.....	187 11 7	15,068 12 3
Facca ... ..	852 2 7	8,089 4 1	.....	8,089 4 1	29,223 2 6
Furzedpore ... ..	1,123 7 6	7,795 12 0	3,618 4 0	11,414 0 0	31,692 12 7
20 Backergunge ... ..	5,558 1 2	13,487 9 0	.....	13,487 9 0	45,628 5 5
Tipperah ... ..	690 0 0	.....	.....	.....	21,304 9 6
Mymensingh ... ..	900 0 0	18,016 9 0	900 0 0	18,916 9 0	54,758 9 5
Chittagong ... ..	1,900 0 0	20,565 3 8	216 8 0	20,781 11 8	48,816 3 1
Noakholly ... ..	750 0 0	1,389 15 3	124 0 0	1,513 15 3	21,992 3 8
25 Patna ... ..	7,652 4 11	5,314 6 7	7,191 8 0	12,505 14 7	60,956 0 2
Gya ... ..	1,764 7 4	13,728 3 8	165 0 0	13,893 3 8	53,647 1 5
Shahabad ... ..	1,878 15 1	6,526 10 6	546 12 8	7,073 7 2	37,794 8 1
Mozufferpore ... ..	850 0 0	1,151 8 0	1,074 15 9	2,226 7 9	31,890 4 9
Durbhunga ... ..	1,200 0 0	50,283 2 5	30 0 0	50,313 2 5	68,916 2 5
30 Sarun ... ..	650 0 0	35,433 10 7	1,673 0 0	37,106 10 7	86,917 7 6
Chumparun ... ..	300 0 0	9,835 15 6	.....	9,835 15 6	21,103 12 9
Monghyr ... ..	1,639 0 0	4,504 7 0	159 0 0	4,723 7 0	36,873 5 0
Bhagulpur ... ..	748 2 6	18,374 0 7	1,870 12 8	20,244 13 3	44,183 5 7
Purneah ... ..	350 0 0	4,184 2 7	.....	4,184 2 7	29,986 12 1
35 Maldah ... ..	250 0 0	4,206 4 4	-188 2 0	4,018 2 4	12,444 15 5
Cuttack ... ..	850 0 0	.....	.....	.....	4,253 2 11
Pooree ... ..	1,547 10 7	2,876 5 6	.....	2,876 5 6	5,518 6 4
Balasore ... ..	350 0 0	319 0 0	.....	319 0 0	2,747 0 6
Hazaribagh ... ..	250 0 0	4,083 0 7	399 0 0	4,482 0 7	6,320 6 6
40 Lohardugga ... ..	1,552 11 1	685 1 3	314 0 0	999 1 3	5,381 3 9
Manbhoom ... ..	250 0 0	.....	.....	.....	5,243 0
Total ...	47,237 12 8	3,54,033 10 6	18,914 6 1	3,72,948 0 7	12,80,262 11 7
CHITTAGONG HILL TRACTS ... ..	.....	388 8 8	.....	388 8 8	388 8 8
44 Sonthal Pergunnahs ... ..	.....	2,503 12 6	.....	2,503 12 6	2,602 10
Singbhoom ... ..	10,000 0 0	364 11 6	.....	364 11 6	10,367 6 0
Total ...	10,000 0 0	3,257 0 8	.....	3,257 0 8	13,418 8 8
GRAND TOTAL ...	57,237 12 8	3,57,290 11 2	18,914 6 1	3,76,205 1 3	12,93,681 4 3

1 P.T.S.

Balance of imprests in hands of Engineers and others decreased.	Balance of uncashed cheques increased.	Total receipts, including balance.	Outlay.	Balance in treasury on 30th September 1886.	DISTRICTS.
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
463 0 8	20,966 15 2	1,10,100 3 9	73,311 4 6	36,797 15 3	Burdwan ... 1
47 0 3	13,680 3 0	60,070 13 9	39,233 12 6	20,837 1 3	Bankura ... 1
966 7 3	23,511 7 0	49,453 11 2	18,934 12 3	30,518 14 11	Boorhoom ... 1
222 15 3	22,481 2 2	1,75,473 5 7	1,00,222 2 11	75,251 2 8	Midnapore ... 1
470 5 9	2,319 10 10	1,20,243 4 4	75,595 13 2	44,647 7 2	Hooghly and Howrah ... 5
310 0 0	2,385 1 6	56,815 12 6	53,469 4 4	3,346 8 2	24 Pargunnahs ...
300 0 0	3,660 11 1	35,725 7 1	29,252 6 0	6,473 1 1	Naddea ...
651 2 9	3,346 3 3	42,225 5 10	39,523 8 6	2,698 13 4	Jessore ...
700 0 0	313 8 0	61,253 10 6	39,744 8 1	24,509 2 5	Khoolna ...
495 9 8	960 15 3	51,097 11 0	24,215 6 0	26,882 5 0	Moorsheadabad ... 10
85 3 0	619 8 9	53,849 4 2	25,890 0 4	26,959 3 10	Dinapore ...
325 0 0	4,532 0 0	72,040 14 3	52,773 10 7	19,267 3 8	Rajshahye ...
25 0 0	2,021 4 6	94,092 10 7	54,632 5 6	40,060 5 1	Rangpore ...
400 0 0	202 1 8	58,394 15 5	28,448 11 9	23,946 3 8	Bogra ...
1,166 8 0	2,590 10 8	78,989 12 1	25,524 11 2	47,465 0 11	Pubna ... 15
120 12 0	4,061 11 6	29,624 2 0	19,695 4 0	19,017 14 0	Darjeeling ...
446 2 11	2,590 10 8	16,945 3 10	5,512 12 2	7,632 7 8	Jalpigoree ...
336 0 1	4,363 11 3	1,11,881 9 8	51,767 2 6	60,114 7 2	Dacca ...
1,422 7 7	4,061 11 6	40,615 13 2	24,220 15 10	16,424 13 4	Furriedpore ...
100 0 0	14 1 6	1,02,609 10 6	56,324 7 1	46,285 3 5	Backergunge ... 20
29 7 0	6,010 9 0	1,00,039 6 11	46,767 5 7	53,332 1 4	Tipperah ...
150 0 0	9,964 13 11	1,55,696 7 2	81,279 6 2	74,387 1 0	Mymensingh ...
77 13 5	971 5 6	1,13,755 3 8	73,587 14 2	40,167 5 6	Chittagong ...
11 7 8	20,383 15 2	42,770 3 9	22,915 10 9	19,854 9 0	Noakholly ...
	14,215 12 6	1,60,923 9 6	81,438 14 5	79,481 11 1	Patna ... 25
	16,693 2 7	1,03,448 2 1	91,181 14 2	12,266 3 11	Gya ...
	10,060 8 11	1,10,713 0 5	58,723 4 2	51,939 12 3	Shahabad ...
	8,584 2 3	80,542 3 8	66,436 8 5	14,105 11 3	Mozufferpore ...
	10,356 3 7	1,91,128 12 1	69,907 13 11	1,21,220 14 2	Durbbhunga ...
	10,520 8 9	2,32,074 10 2	85,984 10 0	1,46,090 0 2	Sarun ... 30
	3,977 13 1	37,087 4 4	27,026 11 0	10,060 9 4	Chumparun ...
	469 9 6	1,05,285 8 3	51,747 3 3	53,538 5 0	Monghyr ...
	3,182 14 7	1,07,597 11 11	71,539 3 9	35,967 8 2	Bhagulpur ...
	162 12 0	54,727 5 11	25,220 13 0	29,596 8 11	Parneah ...
	6,650 1 7	31,255 12 4	13,717 9 0	17,538 3 4	Maldah ... 35
	8,162 4 7	83,332 3 0	35,062 2 9	18,270 0 3	Cuttack ...
	4,652 2 8	7,630 4 3	6,191 4 1	889 0 2	Poorce ...
	11 4 10	27,373 8 0	19,197 3 7	8,266 4 5	Balasore ...
		41,066 6 1	24,030 1 1	17,045 5 0	Hazaribagh ...
		28,191 9 8	17,096 4 6	11,065 5 2	Lohardugga ... 40
		33,473 0 9	15,149 13 4	18,332 3 5	Manbhoom ...
9,392 5 3	2,46,072 3 9	32,34,074 11 1	18,15,580 10 3	14,13,494 0 10	Total.
263 6 6	998 0 0	6,306 1 2	4,187 13 9	2,118 3 5	Chittagong Hill Tracts ...
	819 1 0	36,352 0 11	15,944 9 8	29,407 7 3	Sonthal Pargunnahs ...
	106 1 6	17,124 0 6	7,473 11 9	9,650 4 9	Singbhoom ... 44
263 6 6	1,983 2 6	59,782 2 7	27,606 3 2	32,175 15 5	Total
9,655 11 9	2,48,055 6 3	32,93,856 13 8	18,43,186 13 5	14,50,670 0 3	GRAND TOTAL.

Cess Districts.

Non-cess Districts.



## EXPEN

DISTRICTS.	REFUNDS.			PROVINCIAL RATES.	ADMINISTRATION.		
	Cess.	Other receipts.	Total.	Establishment and contingencies of office of collection.	Establishment and contingencies of Committee's office.	Percentage cost of establishment for offices of account and control.	Total.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
1 Burdwan ... ..	9 6 3	.....	9 6 3	1,479 8 11	553 4 4	1,183 0 1	1,736 4 5
Bankoora ... ..	4 5 9	4 2 9	8 8 6	2,365 6 5	321 2 2	354 2 5	674 4 7
Beerbhoom ... ..	.....	.....	.....	557 15 0	233 0 3	493 13 10	696 14 1
Midnapore ... ..	.....	43 2 3	43 2 3	1,816 14 4	786 4 0	1,421 15 11	2,298 3 11
5 Hooghly and Howrah	.....	.....	.....	2,662 11 7	298 2 0	1,295 14 11	1,594 0 11
24 Pergunnahs	7 13 6	.....	7 13 6	1,808 15 10	570 0 3	840 1 5	1,410 1 8
Nuddea ... ..	-4 1 9	2 0 3	-2 1 6	836 9 1	406 0 0	529 4 1	935 4 1
Jessore ... ..	.....	.....	.....	2,040 9 5	964 15 2	604 15 7	1,569 14 9
Khoolna ... ..	.....	.....	.....	896 8 6	404 1 6	491 12 6	895 14 0
10 Moorshedabad	.....	.....	.....	1,116 9 5	301 8 0	522 1 11	823 9 11
Dinapore ... ..	.....	7 3 6	7 3 6	648 14 6	235 15 5	492 4 8	748 4 1
Rajshahye ... ..	26 5 3	115 5 3	141 10 6	631 12 3	315 0 6	574 10 11	889 11 5
Rungpore ... ..	.....	657 5 0	657 5 0	936 13 3	1,455 6 5	902 3 10	2,357 10 3
Bogra ... ..	.....	.....	.....	574 1 6	278 0 0	348 14 1	626 14 1
15 Pubna ... ..	.....	.....	.....	694 5 3	333 12 9	390 10 11	724 7 8
Darjeeling ... ..	3 7 8	.....	3 7 8	261 12 0	330 10 0	225 2 1	555 12 1
Julpigoree ... ..	.....	.....	.....	372 0 3	368 8 6	290 4 0	638 12 6
Dacca ... ..	.....	93 11 6	93 11 6	2,854 3 6	774 15 7	750 12 8	1,525 12 3
Furteedpore ... ..	.....	.....	.....	2,563 11 2	493 15 4	401 12 6	895 11 10
20 Backergunge ... ..	.....	170 7 6	170 7 6	5,322 11 7	511 6 0	903 5 8	1,414 11 8
Tipperah ... ..	.....	78 8 0	78 8 0	1,505 1 2	450 14 9	734 0 6	1,184 14 9
Mymensingh ... ..	.....	.....	.....	3,412 6 9	559 13 0	1,259 13 2	1,819 10 2
Chittagong ... ..	.....	.....	.....	3,109 3 4	579 6 4	676 15 3	1,256 5 7
Nonkholly ... ..	.....	.....	.....	960 10 0	399 14 0	556 5 5	956 3 5
25 Patna ... ..	.....	.....	.....	927 6 7	1,355 12 11	1,527 2 10	2,982 15 9
Gya ... ..	.....	22 13 2	22 13 2	4,060 0 4	1,207 14 0	1,738 7 10	2,946 5 10
Shahabad ... ..	85 0 0	107 15 9	192 15 9	943 8 3	280 10 0	1,265 3 10	1,555 13 1
Mozufferpore ... ..	.....	.....	.....	1,027 2 1	957 15 1	1,211 7 11	2,169 7 0
Durbhunga ... ..	.....	.....	.....	1,879 3 7	503 14 8	1,783 10 3	2,287 8 11
80 Saran ... ..	359 7 6	.....	359 7 6	982 11 0	761 4 6	1,589 10 5	2,350 14 11
Chumparan ... ..	.....	.....	.....	1,457 1 4	231 10 8	607 7 1	839 1 9
Monghyr ... ..	.....	.....	.....	757 8 6	476 3 0	986 0 0	1,462 2 0
Bhaugulpur ... ..	.....	.....	.....	690 10 6	554 11 3	1,248 6 1	1,843 1 4
Purneah ... ..	.....	2 5 6	2 5 6	464 7 6	493 15 0	523 12 2	1,017 11 2
35 Maldah ... ..	.....	.....	.....	231 6 0	244 7 9	270 6 9	514 14 6
Cuttack ... ..	.....	27 14 6	27 14 6	925 9 9	225 0 0	545 2 8	770 2 8
Pooree ... ..	.....	140 0 0	140 0 0	351 12 0	424 0 5	237 10 1	661 10 6
Balasore ... ..	.....	.....	.....	948 12 2	278 3 0	221 7 10	490 10 10
Hazaribagh ... ..	.....	.....	.....	257 7 0	224 4 0	573 3 0	797 7 0
40 Lohardugga ... ..	.....	.....	.....	696 8 0	93 6 4	731 7 4	824 13 8
Manbhoom ... ..	.....	.....	.....	923 9 8	526 2 3	331 8 9	857 11 0
Total ... ..	491 12 2	1,472 14 11	1,964 11 1	56,781 2 5	20,814 7 1	31,606 7 11	53,420 15 0
NON-CES DISTRICTS.							
Chittagong Hill Tracts	.....	.....	.....	.....	5 0 0	.....	5 0 0
44 Sonthal Pergunnahs	.....	.....	.....	.....	252 4 0	.....	252 4 0
Singbhoom ... ..	.....	.....	.....	.....	115 8 0	.....	115 8 0
Total ... ..	.....	.....	.....	.....	372 12 0	.....	372 12 0
GRAND TOTAL ... ..	491 12 2	1,472 14 11	1,964 11 1	56,781 2 5	21,187 3 1	31,606 7 11	53,793 11 0

DITURE.

STATIONERY.	PUBLIC WORKS.						DISTRICTS.
	Original works.	Repairs.	Establishment.	Tools and plant.	Toll and ferry establishment and contingencies.	Establishment of Divisional Superintendent of Works.	
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
58 6 2	7,219 13 0	51,393 4 11	4,697 14 10	44 8 0	.....	4,780 2 0	Burdwan ... .. 1
134 5 5	15,080 1 6	14,084 4 9	2,011 9 1	213 10 3	.....	2,422 0 0	Bankoora ... ..
.....	6,160 2 2	3,810 2 6	2,216 3 0	32 0 0	.....	2,335 0 0	Beerbhoom ... ..
86 1 3	8,880 4 3	72,434 4 3	5,784 8 6	.....	.....	3,350 0 0	Midnapore ... ..
229 9 11	4,628 6 9	51,009 0 9	4,616 11 3	118 12 6	.....	5,946 0 0	Hoozily and Howrah ... 5
401 11 3	5,180 8 3	37,699 5 7	5,849 0 3	336 11 9	.....	.....	24 Pergunnahs ... ..
66 10 9	1,412 8 9	21,054 5 10	2,370 14 3	.....	.....	.....	Nuddea ... ..
316 15 3	2,421 15 3	14,172 15 2	5,092 13 9	230 12 3	.....	.....	Jessore ... ..
426 5 0	15,060 1 3	15,163 9 9	1,638 3 0	102 12 3	.....	.....	Khoolna ... ..
167 2 3	324 5 0	17,038 15 4	3,480 12 7	104 12 0	.....	.....	Moorsheedabad ... .. 10
12 10 0	6,987 15 6	12,648 12 6	3,339 10 4	57 0 0	.....	.....	Dinapore ... ..
104 0 8	8,349 7 0	15,179 9 6	2,946 9 0	188 9 3	.....	3,630 8 0	Rajshahye ... ..
264 1 0	26,370 11 6	7,341 13 6	3,570 5 0	331 2 6	.....	.....	Rungpore ... ..
0 13 0	4,976 12 8	12,931 0 8	1,774 0 6	23 2 0	.....	2,024 0 0	Bogra ... ..
43 11 6	4,370 5 9	10,132 12 6	1,916 3 9	9 11 9	.....	2,348 4 0	Pubna ... .. 15
13 12 3	.....	8,384 12 6	958 11 6	.....	.....	.....	Darjeeling ... ..
19 6 0	5,997 14 3	-2,415 2 2	1,791 10 0	7 8 0	.....	.....	Jalpigoree ... ..
79 2 2	25,099 8 3	7,523 15 3	2,978 11 9	26 8 0	5,647 4 8	-6,943 10 4	Dacca ... ..
43 14 9	5,445 8 5	3,671 15 6	2,632 9 1	5 0 0	.....	1,358 6 6	Purreedpore ... ..
28 11 6	19,688 2 3	12,559 12 3	2,789 13 10	200 0 0	3,290 0 0	-327 8 6	Backergunge ... .. 20
46 8 0	21,015 4 6	17,046 2 9	3,251 2 8	1,980 12 0	598 15 9	.....	Tipperrah ... ..
46 15 0	53,460 15 6	11,982 1 6	4,569 3 9	29 3 0	.....	-168 3 6	Myme-singh ... ..
444 1 11	21,982 11 11	26,433 15 2	4,841 3 10	222 13 6	.....	0 0	Chittagong ... ..
32 6 3	4,330 10 7	11,652 2 7	2,409 8 7	124 12 0	.....	.....	Noakholly ... ..
232 6 9	16,873 7 9	42,576 9 10	5,109 9 6	412 7 9	.....	1,157 0 0	Patna ... .. 25
333 15 0	35,895 4 2	24,247 15 7	8,337 8 3	1,077 8 0	1,003 3 9	.....	Gya ... ..
109 1 9	11,453 5 4	31,344 10 4	6,277 1 0	785 15 1	.....	948 0 0	Shahabad ... ..
55 10 4	35,583 4 4	19,829 6 9	5,293 11 1	753 1 9	.....	.....	Mozufferpore ... ..
85 13 0	7,114 4 0	33,760 7 7	9,640 6 6	467 6 6	889 7 9	4,032 4 0	Durbhunga ... ..
647 10 6	29,254 0 7	23,695 11 9	4,648 12 0	373 3 0	410 15 0	783 0 0	Sarun ... .. 30
.....	8 18 0	14,021 1 5	3,634 1 6	43 6 0	.....	.....	Chumparun ... ..
.....	20,871 6 5	17,361 4 3	4,713 11 4	4 8 0	.....	1,171 14 0	Monchyr ... ..
.....	7,650 11 9	39,856 11 8	6,076 13 7	203 4 0	.....	.....	Bhagalpur ... ..
36 5 3	941 6 6	16,430 12 3	4,551 15 1	159 11 6	13 4 3	.....	Purneah ... ..
59 13 1	476 0 9	10,626 4 6	1,328 10 0	133 4 9	.....	.....	Maldah ... .. 35
24 4 3	6,196 4 10	20,507 13 10	1,867 3 3	459 6 9	.....	.....	Cuttack ... ..
608 9 0	809 6 11	3,388 2 2	600 0 0	-64 2 0	92 6 6	.....	Pooree ... ..
3 8 0	2,795 14 10	12,311 6 9	1,230 0 0	32 0 0	.....	.....	Balasore ... ..
135 1 7	4,543 6 4	11,556 0 5	1,904 4 3	76 10 0	.....	.....	Hazaribach ... ..
28 0 6	2,086 1 11	9,820 3 9	2,540 7 6	111 6 0	.....	.....	Lohardugra ... .. 40
.....	1,529 13 10	9,492 10 2	2,053 4 3	.....	.....	.....	Manbhoom ... ..
5,327 8 3	4,59,067 1 6	7,93,701 5 10	1,46,425 9 2	9,419 2 1	11,855 9 8	28,867 9 2	Total.
.....	633 4 3	2,202 2 6	1,320 0 0	14 7 0	.....	.....	Chittagong Hill Tracts ...
.....	2,903 7 3	9,938 8 6	1,194 10 5	27 2 6	.....	.....	Sonthal Pergunnahs ...
20 5 9	64 11 6	5,472 6 9	775 0 0	87 10 0	.....	.....	Singbhoom ... .. 44
20 5 9	3,600 7 0	17,613 1 9	3,289 10 5	129 3 6	.....	.....	Total.
5,347 14 0	4,62,667 8 6	8,11,314 7 7	1,49,715 3 7	9,548 5 7	11,855 9 8	28,867 9 2	GRAND TOTAL.

CESS DISTRICTS.

NON-CESS DISTRICTS.

## EXPEN

DISTRICTS.	PUBLIC WORKS.	IRRIGATION.	MISCELLANEOUS.				Contribution to Provincial Government.
	Total.	Canal toll establishment and contingencies.	Staging bungalow establishment and contingencies.	Staging bungalow petty construction and repairs.	Miscellaneous.	Total.	
	Rs. A. P.		Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
1 Burdwan	67,535 10 9	.....	.....	.....	.....	.....	.....
Bankura	33,761 9 7	.....	107 0 0	398 15 0	111 5 0	617 4 0	.....
Beerbhoom	14,573 7 8	.....	33 0 0	.....	1,298 4 3	1,261 4 3	.....
Midnapore	90,449 1 0	.....	.....	.....	.....	.....	.....
5 Hooghly and Howrah	60,718 15 3	.....	.....	.....	.....	.....	.....
24 Percunnahs	49,065 9 10	.....	.....	.....	.....	.....	.....
Nuddea	24,837 12 10	.....	76 0 0	291 5 3	218 6 3	218 6 3	.....
Jessore	21,918 8 5	.....	102 0 0	587 7 9	188 3 3	525 8 6	.....
Khoolna	32,194 10 3	.....	120 0 0	37 7 7	92 4 3	740 7 9	.....
10 Moorshedabad	30,943 12 11	.....	.....	.....	.....	240 11 10	.....
Dinapore	29,033 6 4	.....	.....	.....	.....	.....	.....
Rajshahye	30,284 10 9	.....	28 15 0	120 0 0	.....	148 15 0	.....
Rungpore	37,014 0 6	.....	60 0 0	23 8 9	.....	83 8 9	.....
Bogra	21,729 8 10	.....	.....	.....	3,812 13 6	3,812 13 6	.....
15 Pubna	18,777 5 9	.....	.....	.....	.....	.....	.....
Darjeeling	1,343 8 0	.....	.....	.....	.....	.....	.....
Jalpigoree	5,381 14 1	.....	90 0 0	4 5 0	48 0 0	103 5 0	.....
Dacca	34,932 5 7	.....	.....	.....	.....	.....	.....
Furzedpore	13,113 7 6	.....	.....	.....	.....	.....	.....
20 Backergunge	38,110 3 10	.....	.....	.....	.....	.....	.....
Tipperah	43,892 5 8	.....	.....	.....	.....	.....	.....
Mymensingh	69,872 4 3	.....	.....	.....	.....	.....	.....
Chittagong	53,480 12 5	.....	.....	.....	105 1 6	105 1 6	.....
Noakholly	18,517 1 9	.....	12 0 0	.....	.....	12 0 0	.....
25 Patna	66,129 2 10	.....	637 15 6	2,377 11 8	.....	3,015 11 2	.....
Gya	70,561 7 9	.....	.....	.....	.....	.....	.....
Shahabad	50,808 15 9	.....	92 4 0	82 8 7	.....	174 12 7	.....
Mozufferpore	61,459 7 11	.....	72 8 0	216 15 0	126 13 10	416 4 10	.....
Durbhunga	55,904 4 4	.....	90 13 4	28 8 3	.....	119 5 7	.....
30 Sarun	59,166 10 4	.....	55 1 0	65 14 9	.....	120 15 9	.....
Chumparun	17,707 5 11	.....	.....	.....	.....	.....	.....
Monshyr	44,122 11 0	.....	.....	.....	.....	.....	.....
Bhagulpur	53,787 9 0	.....	.....	129 15 9	.....	129 15 9	.....
Purneah	22,097 0 7	.....	.....	.....	3 6 0	3 6 0	.....
35 Maldah	12,564 4 0	.....	.....	.....	.....	.....	.....
Cuttack	29,030 12 8	.....	156 15 1	2,098 11 0	.....	2,255 10 1	.....
Pooree	4,825 13 7	.....	80 0 0	107 11 9	.....	187 11 9	.....
Balasore	16,369 5 7	.....	27 0 0	.....	.....	27 0 0	.....
Hazaribagh	18,080 5 0	.....	32 0 0	126 13 9	.....	158 13 9	.....
40 Lohardugga	14,558 3 2	.....	54 0 0	279 2 1	32 4 0	365 6 1	.....
Manbhoom	13,075 12 3	.....	.....	244 3 11	9 8 0	253 11 11	.....
Total	14,40,336 5 5	.....	1,996 7 11	7,221 5 10	5,948 8 10	15,166 6 7	.....
NON-CESS DISTRICTS.							
Chittagong Hill Tracts	4,168 15 9	.....	.....	.....	.....	.....	.....
44 Sonthal Pergunnahs	14,963 12 8	.....	135 10 0	74 11 6	.....	210 5 6	.....
Singbhoom	6,399 12 3	.....	.....	.....	.....	.....	.....
Total	24,632 6 8	.....	135 10 0	74 11 6	.....	210 5 6	.....
GRAND TOTAL	14,75,968 12 1	.....	2,132 1 11	7,296 1 4	5,948 8 10	15,376 12 1	.....



## ROAD FUND.

Road Committees for the Fourth Quarter of the Cess Year 1885-86, ending 30th September 1886.

## EXPENDITURE.

EXPENSE ACCOUNTS.			Total expenditure.	Balance of imprests in hands of Engineers and others increased.	Balance of uncashed cheques decreased.	Total outlay.	DISTRICTS.
Advances.	Deposits.	Total.					
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
2,420 0 0	72 0 0	2,492 0 0	73,311 4 6	.....	.....	73,311 4 6	Burdwan .....
1,463 6 0	209 0 0	1,672 6 0	39,233 12 6	.....	.....	39,233 12 6	Bankura .....
1,735 0 0	.....	1,735 0 0	18,824 9 6	.....	110 3 3	18,934 12 3	Beerbhoom .....
5,037 3 6	561 9 0	5,618 12 0	1,09,222 2 11	.....	.....	1,09,222 2 11	Midnapore .....
5,292 4 6	.....	5,292 4 6	75,593 13 2	.....	.....	75,593 13 2	Hooghly and Howrah .....
556 10 0	.....	556 10 0	53,469 4 4	.....	.....	53,469 4 4	24 Pargunnahs .....
1,805 14 9	216 11 6	2,022 10 3	29,252 6 0	.....	.....	29,252 6 0	Nuddea .....
9,827 9 9	.....	9,827 9 9	36,443 1 4	.....	3,083 7 2	39,526 8 6	Jessore .....
2,093 10 6	47 12 0	2,141 6 6	34,744 8 1	.....	.....	36,744 8 1	Khoolna .....
1,159 3 6	.....	1,159 3 6	24,215 6 0	.....	.....	24,215 6 0	Moorsheedabad .....
2,439 9 11	.....	2,439 9 11	26,890 0 4	.....	.....	26,890 0 4	Dinapore .....
20,572 14 0	.....	20,572 14 0	52,773 10 7	.....	.....	62,773 10 7	Rajshahye .....
12,428 3 9	-1,347 4 0	12,118 15 9	54,032 5 6	.....	.....	54,032 5 6	Rangpore .....
1,676 1 1	28 7 9	1,704 8 10	28,448 11 9	.....	.....	28,448 11 9	Bogra .....
6,314 13 0	.....	6,314 13 0	26,524 11 2	.....	.....	26,524 11 2	Pubna .....
476 0 0	.....	476 0 0	10,606 4 0	.....	.....	10,606 4 0	arjeeling .....
2,777 6 4	.....	2,777 6 4	9,312 12 2	.....	.....	9,312 12 2	ulpigoree .....
3,781 15 6	8,500 0 0	12,281 15 6	51,767 2 6	.....	.....	51,767 2 6	Dacca .....
6,800 15 0	863 3 7	7,664 2 7	24,220 15 10	.....	.....	24,220 15 10	Furzedpore .....
11,117 9 0	160 0 0	11,277 9 0	56,324 7 1	.....	.....	56,324 7 1	Backergunge .....
.....	.....	.....	46,707 5 7	.....	.....	46,707 5 7	Tipperah .....
5,228 2 0	960 0 0	6,128 2 0	81,279 6 2	.....	.....	81,279 6 2	Mymensingh .....
14,932 1 0	269 4 5	15,201 5 5	73,587 14 2	.....	.....	73,587 14 2	Chittagong .....
2,312 5 4	125 0 0	2,437 5 4	22,915 10 9	.....	.....	22,915 10 9	Noakholly .....
4,422 1 1	3,829 2 3	8,251 3 4	81,438 14 5	.....	.....	81,438 14 5	Patna .....
13,025 9 8	231 10 5	13,257 4 1	91,191 14 2	.....	.....	91,191 14 2	Gya .....
4,719 4 0	308 13 0	5,028 1 0	58,773 4 2	.....	.....	58,773 4 2	Shahabad .....
.....	1,308 8 3	1,308 8 3	66,436 8 5	.....	.....	66,436 8 5	Mozufferpore .....
8,295 5 11	20 0 0	8,315 5 11	68,591 9 4	.....	1,316 4 7	69,907 13 11	Durbhunga .....
22,356 4 0	100 0 0	22,456 4 0	85,984 10 0	.....	.....	85,984 10 0	Sarun .....
5,120 1 11	.....	5,120 1 11	25,143 10 11	.....	1,883 0 1	27,026 11 0	Chumparun .....
5,105 12 9	299 0 0	5,404 12 9	51,747 8 3	.....	.....	51,747 8 3	Monghyr .....
9,483 1 8	5,735 13 6	15,218 15 2	71,630 3 9	.....	.....	71,630 3 9	Bhagulpur .....
1,595 9 0	.....	1,595 9 0	25,220 13 0	.....	.....	25,220 13 0	Purneah .....
602 4 6	-195 4 0	407 0 0	13,717 9 0	.....	.....	13,717 9 0	Maldah .....
1,992 4 0	.....	1,992 4 0	35,062 2 9	.....	.....	35,062 2 9	Cuttack .....
.....	.....	.....	6,191 4 1	.....	.....	6,191 4 1	Poorce .....
613 14 0	40 0 0	653 14 0	19,107 3 7	.....	.....	19,107 3 7	Balasore .....
4,092 7 4	720 1 0	4,792 8 4	24,020 1 1	.....	.....	24,020 1 1	Hazaribagh .....
199 12 0	316 8 0	516 4 0	17,096 4 6	.....	.....	17,096 4 6	Lohardugga .....
.....	.....	.....	15,140 13 4	.....	.....	15,140 13 4	Manbhoom .....
204,840 9 9	23,350 0 8	2,28,190 10 5	18,09,187 11 2	.....	6,392 15 1	18,15,580 10 3	Total.
14 0 0	.....	14 0 0	4,187 13 9	.....	.....	4,187 13 9	Chittagong Hill Tracts .....
1,418 3 6	.....	1,418 3 6	15,944 9 8	.....	.....	15,944 9 8	Sonthal Pargunnahs .....
875 0 0	34 0 0	909 0 0	7,444 10 0	29 1 9	.....	7,473 11 9	Singbhoom .....
2,807 3 6	34 0 0	2,841 3 6	27,577 1 5	29 1 9	.....	27,606 3 2	Total.
2,07,147 13 3	23,384 0 8	2,30,531 13 11	18,36,764 12 7	29 1 9	6,392 15 1	18,43,156 13 5	GRAND TOTAL.

Cess Districts.

Non-Cess Districts.

E. T. ATKINSON,  
Accountant-General, Bengal.

**PROGRESS REPORT OF THE BENGAL ECONOMIC AND ART MUSEUM.**

REVENUE DEPARTMENT—MISCELLANEOUS.

*Calcutta, the 3rd May 1887.*

RESOLUTION.

READ—

The Progress Report of the Bengal Economic and Art Museum for the year 1886-87.

This Report was submitted to Government by the late Committee of the Bengal Economic and Art Museum on the 31st March 1887, and on the following day the Committee was dissolved after making over to the Trustees of the Indian Museum the collections of the Bengal Economic and Art Museum. These collections the Trustees of the Indian Museum were empowered by Act IV of 1887 to receive, and they will for the future be in charge of the Assistant Curator, an officer who has been appointed with the sanction of the Secretary of State, and who will act under the control of the Trustees.

The work of consolidating the collections was continued during the year. As was noted in last year's Resolution, the collections are divided into four sections, viz., Artware, Economic, including timber, Ethnology, and Industrial. In the Artware section in which the specimens are classified in 27 groups and number about 8,670, much work was done in systematising the arrangements and in labelling the specimens with available information. Show-cases were bought for the better exhibition of specimens. In the Economic section, which has 17,785 specimens, exclusive of timber, arranged in 13 classes, the collections were in part re-arranged. Two hundred and one new specimens were received in this section during the year, and a considerable number of specimens which had become worm-eaten and decayed were destroyed. A large portion of the timber collection was handed over to the Government of India to be used in making the timber trophy for the London Exhibition. The Ethnology section has been expanded by taking into it a large hall belonging to the temporary buildings. New glass cases have been provided for the exhibits in this section, and much work has been done in labelling and re-arrangement. In the Industrial section, which contains almost all the presentations made to the Bengal Government by exhibitors of the British and Foreign Courts at the Calcutta Exhibition of 1883-84, no change was made. The Committee had charge during the year of the accounts and correspondence work connected with the exhibits from these Provinces sent to the London Exhibition.

More than four hundred thousand persons visited the Museum during the year, the monthly average being 34,000 as against a monthly average attendance of 24,500 in the preceding year. The number of visitors was greatest in October and February; in the former month the Durga Pooja holidays were observed, and in the latter month 6,723 persons visited the Museum on the day of celebration of the Jubilee of the Queen-Empress.

The Lieutenant-Governor takes this opportunity of publicly acknowledging the services rendered by the members of the late Committee, and in particular by Mr. Horace Cockerell, their Chairman, ably assisted by Mr. Alexander Pedler, their very efficient Secretary. The valuable collection entrusted to the Committee was found to be in excellent order when it was transferred to the Trustees of the Indian Museum.

By order of the Lieutenant-Governor of Bengal,

P. NOLAN,

*Secretary to the Government of Bengal.*

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different districts of Bengal, as reported to Government during the week ending the 30th April 1887.

No.	District and date of return.	Rainfall at Sudder station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
BURDWAN DIVN.	1 Burdwan, April 30, '87	Nil	Weather—hot. State and prospects of crops very fair; but rain wanted. Price of rice rising, but still cheap. Sp-radic cholera throughout the district. Fever appearing. Cattle-pox lingers in Culna.
	2 Bankura, " 30 "	0.32	Weather—seasonable. Sugarcane is being planted. Standing crops doing well. Prices steady. Public health good.
	3 Beerbhoom, " 30 "	0.02	Weather—sultry with occasional light showers. No crops now on the ground. Rain is awaited to admit of paddy being sown. Sugarcane being planted out, and land manured for that crop. Cholera in epidemic form reported from Muraroi outpost, and the disease has made its appearance at Soory itself.
	4 Midnapore, " 30 "	0.27	Tempestuous weather. State and prospects of crops good.
	5 Hooghly, " 30 "	Nil	Weather—windy and hot. Ploughing going on. Mango crop promising. Fever and cholera still prevalent.
PRESIDENCY DIVN.	Howrah, May 2 "	0.20	Weather—stormy with southerly winds. Boro rice is being harvested. This crop and sugarcane good. Ploughing proceeds. Cholera slackening.
	Oolcoberia, ...	0.11	
	<i>Central Districts.</i>		
	6 24-Pergha, May 3 '87	0.15	Weather—hot with occasional storms. Ploughing continues. Sugarcane doing well. Prices stationary. Isolated cases of cholera and fever; public health generally good.
	7 Nudda, " 30 "	0.75	Fresh south wind, and weather not so hot as in previous week. Boro rice and indigo lately sown doing well. Ploughing for aus crop going on. Some rain would be beneficial. Some cholera in Kushtea sub-division.
	Ranaghat, ...	0.16	
	8 Khoolua, " 30 "	Nil	Weather—hot with south wind. Storm of wind with slight rain on night of 28th. Boro rice harvest continues. Want of rain is felt. Public health fair.
	9 Jessore, " 30 "	0.05	Weather—very hot. Sowings are at a stand-still for want of rain. Cholera prevails in parts of Magurah and Narail sub-divisions, elsewhere it is abating.
	10 Moorshedabad, " 30 "	Nil	Weather—warm and cloudy occasionally. Boro paddy is being harvested. Bhadoi promising. Cholera prevailing in parts of Jungipore sub-division.
	11 Dinagepore, April 30, '87	0.07	Weather—cloudy with east wind. Sowing of bhadoi and jute going on. Rice 25 seers per rupee.
RAJSHAHY DIVN.	12 Rajshahye, " 30 "	Nil	Weather—very hot. Prospects of boro paddy and jute promising. Rain wanted for preparation of lands for aus and aman sowings, and for protection of seedlings. Public health fair.
	Nowgong, ...	0.37	
	13 Rangpore, " 30 "	3.53	Violent storms with heavy showers of rain and occasional hail during the last few days. Rain wanted at Nilphamari, but quite enough has fallen in the rest of the district. State of crops satisfactory. Cholera unusually severe all over the district and public health generally bad.
	Nilphamari, ...	Nil	
	Kurigram, ...	9.70	
	Gaibanda, ...	2.70	
	14 Bogra, " 30 "	Nil	Weather—very warm. Sowing of jute and aus still going on. Public health fair. Cattle-disease reported from thana Khetlal.
DARJEELING DIVN.	15 Pubna, " 30 "	0.23	Weather—warm and cloudy. Rain accompanied by hail last evening (29th). Prospects of crops good. Cholera reported.
	Derajgunge, ...	0.43	
	16 Darjeeling, " 30 "	0.63	Weather—changeable. State and prospects of crops good.
	17 Jalpigoree, " 30 "	0.31	Damp cloudy weather; strong east winds, and frequent showers varied with sunshine. Weather favourable for cultivation of early rice which is coming up everywhere. Prospects of sugarcane good. Jute coming up. Fever prevalent. Some small-pox in Alipore tehsil, and cholera in Boda.
<i>Eastern Districts.</i>			
DACCA DIVISION.	18 Dacca, April 30, '87	1.12	Weather—hot; latter part of the week cloudy. Sowing of aus and aman going on. Boro paddy nearly cut. Prospects of crops good. A good many cases of cholera in Munshigunge and Manikgunge sub-divisions.
	19 Furreedpore, " 30 "	Nil	Weather—seasonable. Paddy is being sown. Public health on the whole good.
	Goalundo, ...	0.75	Outbreak of cholera here and there.
	20 Backergunge, " 29 "	Nil	Weather—very hot and dry. Cultivation of aus paddy has begun. Rain much wanted. Cholera prevails in most of the stations; but general health somewhat better than last week.
	21 Mymensingh, " 29 "	0.74	Rain on three days; high winds. Prospects of crops good.
CHITTAGONG DIVN.	Jamalpur, ...	1.61	
	Netrokona, ...	0.53	
	22 Chittagong, May 3, '87	0.14	Weather—sultry. More rain wanted. Prices steady. Cholera in Cox's Bazar, but general health good.
	23 Noakholly, April 29 "	Nil	Weather—generally fine. High southerly wind. Sowing of aus progressing. Rain will improve its prospects. Much fever in town.
	24 Tipperah, " 28 "	Nil	Weather—hot and cloudy with occasional high winds. Boro harvest is nearly finished. Prospects of crops favourable, the weather being seasonable.
CHITTAGONG DIVN.	25 Chittagong Hill Tracts, " 26 "	Nil	Weather—excessively hot throughout the week. Joom-burning still continues in some places. Harvesting of tobacco nearly over. A few cases of fever reported.
	Hill Tipperah, " 27 "	1.15	Weather—hot. Aus paddy being sown. Sugarcane still being transplanted. Prospects of boro paddy and chillies fair. Public health good.



No.	District and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crop, and state of health at date.
<b>BEHAR.</b>			
<b>PATNA DIV.</b>	26 Patna, April 30, '87	Nil	Weather—hot. Sugarcane growing well. Opium weighment going on. Cholera has broken out in some parts of the Patna City.
	27 Gya „ 30 „	Nil	Weather—cloudy. Sugarcane coming on well. Cholera and fever reported from some stations.
	28 Shahabad, „ 30 „	Nil	Weather—very hot during the day; mornings cool; east wind prevailing. Winnowing of <i>rubbee</i> crops progressing. <i>Cheena</i> doing well. Sugarcane is being irrigated. Public health fair. Prices stationary.
	29 Durbhunga „ 30 „	Nil	East wind prevailing. Threshing of <i>rubbee</i> crops in progress. Early rice, <i>moong</i> and indigo in good condition. Fields are being prepared for <i>bhadoi</i> sowings. Price of common rice averages 22 seers per rupee. Cholera continues to be reported from the town and interior.
	30 Mozufferpore, „ 30 „	Nil	Weather—hot in the day; cool at night, with strong east wind. Harvesting of <i>rubbee</i> completed. Other crops coming up well, and prospects satisfactory. Some cases of cholera reported; public health otherwise good.
	31 Saran, „ 30 „	Nil	Easterly winds prevailing. Prospects of crops continue good. Cholera reported from Sudder and Sonepur thanas.
	32 Chumparan, „ 30 „	Nil	Weather—hot. Strong east wind blowing generally in the night. Harvesting of <i>rubbee</i> crops almost finished. Weighment of opium going on. Prospects of indigo favourable. Sowing of <i>bhadoi</i> and <i>aghani</i> on low lands commenced. Prices stationary. Cholera has made its appearance both in the town and in the interior.
<b>BRAGULPUR DIV.</b>	33 Monghyr, April 30, „	Nil	Weather—hot; easterly wind prevailing. Threshing of <i>rubbee</i> continues. Lands are being ploughed for <i>bhadoi</i> crop. Public health generally good, except for an outbreak of cholera in the north-east corner of the district across the Ganges.
	34 Bhagulpore, „ 30 „	Nil	Heat tempered by strong east wind. Rain now wanted. Sugarcane doing well. Prospects of paddy and <i>moong</i> on low lands good. Cholera still prevalent in the north.
	35 Purneah „ 30 „	Nil	Strong east wind. Temperature very low for time of year. Jute and early rice are being sown. All standing crops doing well. Rain wanted in some places.
	36 Maldah, „ 30 „	Nil	Weather—warm, with easterly winds. <i>Boro</i> paddy is thriving, and is expected to be a good crop. <i>Bhadoi</i> is still being sown; some seedlings are above ground. Common rice is selling at an average of 25 seers per rupee. Public health good.
	37 Sonthal Pergu, „ 30 „	Nil	Weather—hot and sultry with easterly winds; working up for a storm. Very little crop on the ground. Public health not good.
<b>ORISSA.</b>			
<b>ORISSA DIV.</b>	38 Cuttack April 29, '87	Nil	Weather—hot with high winds. Reaping of <i>dalum</i> rice nearly completed with indifferent outturn. Ploughing in progress. Rain wanted. Common rice sells at 18 seers per rupee in town and 22 to 25 seers in the interior. Public health generally good.
	39 Pooree „ 28 „	Nil	Weather—seasonable. The soil is being manured. <i>Dalum</i> crop is being harvested. Common rice 26 seers per rupee in Sudder sub-division and 24 seers 9 chittacks in Khoorda sub-division. Cases of cholera and small-pox reported from the interior.
	40 Balasore, „ 29 „	Nil	Weather—hot. Ploughing going on in the south. Rain wanted in the north. Prospect of crops promising. A few cases of cholera reported; public health otherwise good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
41	Bazaribaga April 29, '87	Nil	Weather—seasonable; very warm. Sugarcane doing well. Mango indifferent. <i>Mahua</i> below average. General health good.
42	Loharagga „ 30 „	Nil	Weather—hot and cloudy. No crop on the ground. Cholera and small-pox reported from Palamow.
43	Singbhoom, „ 29 „	Slight rain on 28th.	Heat intense with severe storms last evening (28th). <i>Boro</i> paddy ripening. <i>Jettia</i> paddy is being sown. <i>Mahua</i> coming into fruit. Transplantation of sugarcane continues. Measles reported from Kokpara outpost; otherwise public health good.
44	Manbhoom, „ 30 „	Nil	Weather—hot, with dust-storms; clouds gathering. Cotton pods bursting. Sugarcane doing well. Indigo doing well in Barrabham and Patkum. Cholera reported from Manbazar and Nirsha.

Published for general information.

CALCUTTA, REVENUE DEPT.;  
The 3rd May 1887.P. NOLAN,  
Secy. to the Govt. of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 24th to 30th April 1887.

Month.	Date.	Maximum in sun.	Number of hours of bright sunshine.	Mean pressure barometer at 59 Fahr.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
					Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1887.		°		Inches.	°	°		°	°	Inches.	°	%			Inches.	
April	24th	148.7	10.4	29.792	86.1	93.4	15.0	78.4	78.5	0.872	75.1	71	SSW and S by W ...	249	Nil	Chiefly clear.
"	25th	149.1	10.2	.831	85.9	92.5	14.1	78.4	77.3	825	73.4	68	SSW and S ...	295	"	Clear.
"	26th	147.5	11.3	.792	85.4	91.5	13.3	78.2	77.3	.830	73.6	69	SSW and S ...	298	"	Clear.
"	27th	147.5	11.4	.711	85.6	91.7	13.2	78.5	78.0	.869	74.6	71	SSW and S ...	329	"	Clear.
"	28th	148.6	11.5	.674	86.3	92.5	12.6	79.9	78.8	.886	75.6	71	SSW and variable ...	362	"	Day clear, night cloudy, o.
"	29th	149.4	11.5	.650	85.6	94.3	15.1	79.2	77.6	.848	74.2	67	SSW and variable...	334	0.18	Partially cloudy, o, g, p, t, &.
"	30th	151.5	10.7	.693	84.3	92.5	18.9	73.6	77.2	.850	74.3	71	SW, S and variable	256	0.21	Chiefly cloudy, o, g, t, d, p, <.

The mean pressure of the seven days ... 29.735  
The average pressure of the corresponding period for 24 years, S. G.'s Office ... 29.723

The total number of hours of bright sunshine ... 77.0  
The maximum possible number of hours of sunshine ... 90.0

The mean temperature of the seven days ... 85.6  
The average temperature of the corresponding period for 24 years, S. G.'s Office ... 85.0  
The extreme variation of temperature ... 20.7  
The maximum temperature ... 94.3

The highest velocity of the wind in one hour ... 23  
Miles.

The highest pressure of wind on one square foot ... 13  
lb s.

The mean relative humidity ... 70  
The average relative humidity of the corresponding period for 24 years, S. G.'s Office... 72  
%

The total fall of rain from 24th to 30th April 1887 ... 0.39  
The average fall of the corresponding period for 24 years, S. G.'s Office ... 0.79  
The total fall from 1st January to 30th April 1887 ... 5.63  
The average fall of the corresponding period for 24 years, S. G.'s Office ... 4.82  
Inches.

The mean pressure, temperature, &c., are deduced from the traces of the Barograph and Thermograph.  
The maximum and minimum temperatures are obtained from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the new Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard Newman's No. 86, formerly at the Surveyor-General's Office.

The hygrometric elements are obtained from Tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modifications of August's formula.

The directions and the movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

o overcast, g gloomy, t thunder, p passing temporary showers, d drizzling rain, < lightning, & dust-storm.

JOHN ELIOT,

For Meteorological Reporter to the Govt. of India.

METEOROLOGICAL OFFICE, GOVT. OF INDIA;  
Calcutta, the 2nd May 1887.

## Meteorological Report of the Province of Be

METEOROLOGICAL DIVISION.	DISTRICT.	Representative station.	STATION OBSERVATIONS.													
			AIR PRESSURE.			WIND.		TEMPERATURE.								
			Mean barometric height, 10 A.M.	Mean reduced to sea-level.	Variation from mean.	Prevailing direction.	Mean wind velocity.	Highest during week.	Date.	Lowest during week.	Date.	Mean maximum temperature.	Mean minimum temperature of week.	Mean daily temperature of week.	Variation from normal mean of week.	
ORISSA.	Pooree	Gopalpore	29.786	29.836	—	SSW	381.0	87.2	23rd April	79.3	26th April	86.1	80.2	83.1	—	
		False Point	29.858	29.854	+0.022	SSW	415.0	90.5	29th	79.7	26th	89.2	80.2	84.7	+0.8	
	Cuttack	Cuttack	29.746	29.826	+0.014	SSW	147.0	108.4	23rd	73.9	26th, 27th April.	101.7	80.2	90.9	+0.8	
	Balasore	Balasore	29.765	29.824	—	Variable	85.9	96.0	23rd	72.8	29th	90.7	77.5	84.2	—	
SOUTH-WEST BENGAL.	South-West Midnapore	Saugor Island	29.821	29.847	+0.016	S	486.0	95.7	23rd	81.0	26th	92.4	81.6	87.0	+1.8	
	South 24-Pergunnahs	Midnapore	29.644	29.793	—	S	251.6	105.4	23rd, 24th April.	75.3	23rd	102.9	77.3	90.1	—	
	24-Pergunnahs	Howrah	29.793	29.814	—0.015	SW, SSW	271.0	101.9	23rd	77.2	23rd	94.8	78.5	86.7	+0.8	
	Hooghly	Burdwan	29.695	29.794	—0.007	S	183.8	103.9	23rd	73.4	23rd	101.7	77.3	89.5	+1.2	
	Bankoora	Bankoora	29.459	—	—	SW	59.0	107.1	28th	77.5	26th	103.1	78.4	90.7	—	
	Beerbhoom	Raneegunge	29.448	—	—	SSW	108.6	109.1	28th	75.9	23rd	106.5	77.5	92.0	—	
	West Burdwan	Berhampore	29.732	29.799	+0.003	S, SSW	157.7	103.2	23rd	76.3	29th	101.4	76.4	88.9	+0.9	
	Moorshedabad	Krishnaghur	29.745	—	—	SSW	204.0	102.1	24th	70.0	29th	99.1	75.3	87.2	—	
	Nuddea	Jessore	29.792	29.825	+0.008	W	123.1	104.8	23rd	76.4	26th	99.5	78.1	88.8	+3.4	
	Jessore	Chittagong	29.808	29.897	+0.020	S	137.0	90.1	23rd—25th April.	76.0	26th, 27th, 29th April.	89.7	76.7	83.2	+1.5	
	Chittagong Hill Tracts	Donnagiri	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Backergunge	Barrisal	29.843	29.855	—	S	186.2	92.8	23rd April	76.8	25th—27th April.	91.5	77.7	84.6	—	
EAST BENGAL.	Noakholly	Noakholly	29.829	29.872	—	SSW	28.0	91.0	24th	77.3	24th, 26th April.	90.3	78.7	84.7	—	
	Furreedpore	Furreedpore	29.802	—	—	S	436.0	91.0	29th	73.9	26th	88.3	76.1	82.2	—	
	Dacca	Dacca	29.821	29.846	+0.022	SSE	240.0	95.1	24th, 29th April.	74.6	29th	94.2	77.7	83.0	+2.8	
	Tipperah	Commillah	29.820	2.355	—	SE	143.7	95.3	24th, 26th April.	75.8	24th, 26th April.	94.4	76.7	85.6	—	
	Mymensingh	Mymensingh	29.806	—	—	Variable	133.0	92.8	24th	70.1	25th	89.9	73.1	81.5	—	
	Bogra	Bogra	29.733	29.798	—	SE	138.1	102.0	24th	73.2	29th	97.3	75.7	86.5	—	
	Pubna	Berajgunge	29.773	29.819	—	S	157.9	100.5	24th	71.5	29th	96.4	75.0	85.7	—	
	Rajshahye	Rampore Beau- lenh.	29.745	29.815	—	SE	142.5	102.4	24th	71.6	29th	99.6	74.6	87.1	—	
	Maldah	Maldah	29.630	—	—	SE	54.0	100.8	23rd	71.7	24th	97.4	74.2	85.8	—	
	Dinagopore	Dinagopore	29.695	29.814	—	ENE	158.0	97.1	24th, 25th April.	69.1	24th	91.7	72.7	82.2	—	
	Rungpore	Rungpore	29.716	29.832	—	E	168.6	94.2	24th	68.5	29th	87.7	71.7	79.7	—	
	Julpigoree	Julpigoree	29.574	29.805	—	?	196.2	90.0	23rd—25th April.	68.8	26th	85.8	70.5	78.2	—	
NORTH BENGAL.	Cooch Behar	Darjeeling Hill Districts	Darjeeling	23.905	—	+0.002	Calm	132.0	65.8	23rd	49.2	29th	61.1	50.3	55.7	+2.4
	Purneah	Purneah	29.699	29.816	+0.011	ENE	27.09	99.3	23rd, 25th April.	67.7	24th	95.8	71.6	83.7	+0.4	
	North Bhagulpore	Mozufferpore	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Mozufferpore	Durbhunga	29.628	29.796	+0.008	ESE	202.0	98.9	25th, 26th April.	72.0	24th	96.0	74.4	85.2	+0.1	
	Durbhunga	Chumpanun	29.544	29.771	—	SE	220.6	100.5	23rd	63.4	23rd	97.6	70.9	84.3	—	
	Chumpanun	Sarun	29.580	—	—	E	133.8	104.5	27th	68.7	24th	102.1	73.0	87.5	—	
	Sarun	Dehree	29.388	29.733	—	ESE	187.6	101.5	26th	70.8	26th	99.6	74.0	86.8	—	
	Shahabad	Buxar	29.511	29.749	—	Easterly	167.5	105.0	26th	64.8	23rd	102.7	73.9	88.3	—	
		Arrah	29.550	29.745	—	E	122.9	106.4	26th	69.5	23rd	103.7	72.8	88.2	—	
	Gya	Gya	29.363	29.731	—0.037	Northerly	83.6	107.6	26th	76.0	26th	105.8	77.1	91.5	+0.6	
	Patna	Bankipore	29.592	29.773	+0.001	E	124.1	105.0	26th	69.2	24th	102.5	73.3	87.9	+0.4	
	SOUTH BENGAL.	South Bhagulpore	Bhagulpore	29.611	29.773	—	E	14.57	98.4	23rd, 24th April.	69.0	24th	96.0	72.6	84.6	—
Monghyr		Doomka	29.270	—	—	Calm	29.47	105.2	26th	72.3	24th	103.5	76.2	89.9	—	
Sonthal Pergunnahs		Hazaribagh	27.793	29.719	—0.007	W	190.5	104.5	29th	71.7	26th	101.5	75.1	88.3	+2.2	
Hazaribagh		Lohardugga	—	—	—	—	—	—	—	—	—	—	—	—	—	
Lohardugga		Ranchee	27.688	29.750	—	SW	104.7	105.0	28th	69.4	24th	101.9	72.9	87.4	—	
Manbhoom		Chyebassa	29.013	—	—	SSW	64.7	110.0	28th	75.6	23rd	107.6	77.7	92.7	—	
Singbhoom		—	—	—	—	—	—	—	—	—	—	—	—	—	—	

*Explanation. — Summary.*—The normal means of air pressure and temperature are the arithmetical averages or means of the reading during the same period for the year. The humidity of the atmosphere is expressed as percentage, saturated air being represented by 100. A clear sky is denoted by 0 and an overcast sky by 10. The numerical means or average of the rainfall in that district determined from the returns sent in by the sub-divisional stations for the period in question during the year. The station in the district sending in returns divided by the number of stations. A rainy day is one on which at least hundredth of an inch fell.



the week ending Friday, the 29th April 1887.

DISTRICT OBSERVATIONS.														Representative station.	DISTRICT.	METEOROLOGICAL DIVISION.	
Average cloud amount at 10 A.M. for week.	Rainfall of week at observing stations.	RAINFALL.															
		Of week.		Since 1st of Month.			Since 15th May 1886.			Average number of rainy days.	Normal number of rainy days.						
		Mean for district.	Normal mean.	Mean for district.	Normal mean.	Variation.	Mean for district.	Normal mean.	Variation.								
0	Nil	—	—	—	—	—	—	—	—	—	—	—	Gopalpore	...	ORISSA.		
20	Nil	Nil	0.24	0.19	1.10	-0.91	62.15	58.80	+3.35	0.0	0.6	False Point	...	Pooree		...	
0	Nil	Nil	0.34	0.70	1.16	-0.46	66.39	54.84	+11.55	0.0	0.6	Cuttack	...	Cuttack		...	
0	Nil	Nil	0.46	0.89	1.61	-0.72	60.93	57.74	+3.19	0.0	1.2	Balasore	...	Balasore	...		
41	Nil	0.12	0.62	0.74	1.66	-0.92	55.20	67.49	-12.29	0.3	1.2	Saugor Island	...	South-West Midnapore	SOUTH-WEST BENGAL.		
0	Nil	0.19	0.77	1.28	1.74	-0.46	50.44	54.38	-5.94	0.7	1.1	Midnapore	...	South 24-Pergunnahs		...	
0.7	Nil	0.03	0.68	1.10	1.71	-0.61	61.95	56.43	+5.52	0.2	1.5	Calcutta	...	24-Pergunnahs		...	
0	Nil	0.10	0.90	1.43	2.04	-0.61	58.62	50.79	+7.83	0.7	1.5	Burdwan	...	Howrah	...		
0	Nil	0.25	0.49	1.76	1.00	+0.76	56.63	55.05	+1.58	0.8	1.1	Bankoora	...	Hooghly	...		
0	Nil	0.13	0.59	1.97	1.09	+0.88	70.64	54.50	+16.14	0.5	1.2	Raneegunge	...	Burdwan	...		
0	Nil	Nil	0.42	0.77	1.28	-0.51	64.79	51.88	+12.91	0.6	1.1	Berhampore	...	West Burdwan	...		
0.1	0.71	0.24	1.07	1.27	2.77	-1.50	61.50	54.59	+6.91	0.8	1.8	Krishnagur	...	Moorshedabad	...		
3.4	0.05	0.05	1.38	0.48	3.31	-2.83	64.13	60.16	+3.97	0.1	2.1	Jessore	...	Nuddea	...		
7.1	Nil	Nil	1.24	Nil	2.71	-2.71	133.58	119.17	+14.41	0.6	2.0	Chittagong	...	Jessore	...		
3.6	Nil	Nil	1.10	Nil	3.42	-3.42	98.14	89.35	+8.79	0.6	1.9	Demagiri	...	Khoolna	...		
1.9	Nil	Nil	1.73	0.28	4.30	-4.02	128.82	117.51	+11.31	0.6	2.0	Barrisal	...	Chittagong Hill Tracts	...		
0	Nil	0.31	1.51	1.22	3.61	-2.39	66.56	65.45	+1.11	0.7	2.4	Noakholly	...	Backergunge	...		
5.2	1.11	0.57	1.59	1.51	4.29	-2.78	83.08	66.78	+16.30	1.3	2.7	Furreedpore	...	Noakholly	...		
5.9	Nil	Nil	1.53	1.97	4.3	-2.56	89.10	80.43	+8.67	0.6	2.2	Dacca	...	Furreedpore	...		
7.1	1.05	0.92	1.53	2.45	3.56	-1.11	74.96	73.91	+1.05	2.0	2.6	Commillah	...	Dacca	...		
8.1	Nil	Nil	0.58	0.24	1.68	-1.44	70.77	59.75	+11.02	0.6	1.5	Mymensingh	...	Tipperah	...		
5.6	0.40	0.33	1.63	1.13	2.74	-1.61	66.74	58.65	+8.09	1.0	2.1	Bogra	...	Mymensingh	...		
0.7	Nil	0.40	0.66	0.70	1.69	-0.99	63.51	57.15	+6.36	0.5	1.2	Serajgunge	...	Bogra	...		
0	Nil	Nil	0.22	1.33	0.88	+0.45	64.78	55.74	+9.04	0.6	1.0	Rampore Beaulah	...	Pubna	...		
5.6	0.07	0.91	0.40	0.60	0.96	-0.36	76.35	55.74	+20.61	0.2	1.0	Maldah	...	Rajshahye	...		
1.3	3.33	4.74	1.29	5.98	2.69	+2.99	82.40	78.21	+4.19	2.5	1.7	Dinapore	...	Maldah	...		
6.7	0.21	3.12	1.63	5.43	3.87	+1.56	118.25	116.62	+1.63	3.6	2.9	Rungpore	...	Dinapore	...		
4.3	0.63	2.10	1.78	5.91	4.33	+1.58	150.01	124.03	+25.98	4.0	3.7	Julpigoree	...	Rungpore	...		
4.7	Nil	Nil	0.51	1.12	1.67	+0.65	82.00	58.78	+23.22	0.6	1.1	Darjeeling	...	Julpigoree	...		
0.9	Nil	Nil	0.23	0.57	0.57	0	62.55	43.61	+18.92	0.6	0.6	Cooch Behar	...	Darjeeling Hill Districts	...		
6.9	0.09	0.01	0.26	0.69	0.60	+0.09	63.89	44.48	+19.41	0.6	0.6	Purneah	...	Purneah	...		
0	Nil	Nil	0.08	0.42	0.18	+0.24	63.64	42.41	+21.23	0.6	0.5	Mozufferpore	...	North Bhagulpore	...		
0	Nil	Nil	0.63	0.72	0.15	+0.57	57.60	40.40	+17.20	0.6	0.4	Durbhanga	...	Mozufferpore	...		
0	Nil	Nil	0.06	0.06	0.23	+0.43	67.18	41.24	+25.94	0.6	0.2	Motihari	...	Durbhanga	...		
0	Nil	Nil	0.06	0.26	0.23	+0.04	62.49	41.29	+21.20	0.6	0.3	Chumparun	...	Motihari	...		
1.9	Nil	Nil	0.14	0.75	0.50	+0.25	62.81	43.42	+19.39	0.6	0.4	Chupra	...	Chumparun	...		
0	Nil	Nil	0.25	1.19	0.65	+0.51	73.81	50.64	+23.17	0.6	0.7	Shahabad	...	Sarun	...		
0	Nil	Nil	0.00	0.23	0.23	0	59.12	51.75	+7.37	0.6	0.3	Dehree	...	Shahabad	...		
0	Nil	Nil	0.17	0.82	0.59	+0.23	51.26	49.74	+1.52	0.6	0.6	Buxar	...	Shahabad	...		
0	Drops	0.02	0.10	0.19	0.71	-0.52	44.11	54.94	-10.83	1.6	0.5	Arrah	...	Shahabad	...		
														Gya	...	SOUTH BENGAL.	
														Gya	...		SOUTH BENGAL.
														Gya	...		
														Bankipore	...	SOUTH BENGAL.	
														Bankipore	...		SOUTH BENGAL.
														Bankipore	...		
														Bankipore	...	SOUTH BENGAL.	
														Bankipore	...		SOUTH BENGAL.
														Bankipore	...		
														Bankipore	...	SOUTH BENGAL.	
														Bankipore	...		SOUTH BENGAL.
														Bankipore	...		
														Bankipore	...	SOUTH BENGAL.	
														Bankipore	...		SOUTH BENGAL.
														Bankipore	...		
														Bankipore	...	SOUTH BENGAL.	
														Bankipore	...		SOUTH BENGAL.
														Bankipore	...		
														Bankipore	...	SOUTH BENGAL.	
														Bankipore	...		SOUTH BENGAL.
														Bankipore	...		
														Bankipore	...	SOUTH BENGAL.	
														Bankipore	...		SOUTH BENGAL.

The variations are negative when the mean for the week is less than the corresponding normal mean, and positive when greater.  
 The means of the district are the numerical averages of the rainfall return received in the district, i.e., from the total rainfall at the sub-divisional

## Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 29th of April 1887.

Meteorological division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 15th May 1886.	Average rainfall from 1st to 15th May 1886.
			Saturday, 25th April.	Sunday, 26th April.	Monday, 27th April.	Tuesday, 28th April.	Wednesday, 29th April.	Thursday, 30th April.	Friday, 1st May.	Number of rainy days.	of Rainfall week.				
ORISSA	Pooree	Pooree	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	0.63	55.18	61.61
		Khurdah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.28	0.72	63.61	61.61
		Banpur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.41	0.57	66.57	61.61
		False Point	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.44	2.37	69.03	61.61
		Gop	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	66.29	61.61
		Pipli	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	61.61
	Cuttack	Jagatsingapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.50	0.73	70.16	61.61
		Banki	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	0.44	63.06	61.61
		Cuttack	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.90	1.49	76.03	61.61
		Kendrapara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.00	1.18	56.44	61.61
		Jaipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.60	1.95	66.10	61.61
		Dharmasalla	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.57	?	65.16	61.61
	Balasore	Salipore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.95	?	?	61.61
		Chandbali	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.13	1.10	55.14	61.61
		Bhuddruck	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	3.65	1.71	6.29	61.61
		Sorah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.26	1.74	61.97	61.61
		Balasore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.67	2.59	64.23	61.61
		Jeliasore	.....	.....	.....	.....	.....	.....	.....	0.24	0.32	0.72	1.26	64.53	61.61
SOUTH-WEST BENGAL.	Midnapore	Baripoddah	.....	.....	.....	.....	.....	.....	.....	0.80	1	0.80	1.00	56.43	61.61
		Contai	.....	.....	.....	.....	.....	.....	.....	0.35	1	0.35	0.65	44.66	61.61
		Saugor Island	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.16	1.52	66.30	61.61
		Tumlook	.....	.....	.....	.....	.....	.....	.....	0.30	1	0.30	0.60	47.60	61.61
		Midnapore	.....	.....	.....	.....	.....	.....	.....	0.27	1	0.27	2.24	46.89	61.61
		Ghattal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.99	2.29	54.82	61.61
	24-Pergunnahs	Deog	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.36	?	48.90	61.61
		Heria	.....	.....	.....	.....	.....	.....	.....	0.23	1	0.23	?	43.73	61.61
		Bhagwanpore	.....	.....	.....	.....	.....	.....	.....	0.66	1	0.66	2.57	53.35	61.61
		Garbeta	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	2.29	54.63	61.61
		Diamond Harbour	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.08	?	60.99	61.61
		Canning Town	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.50	1.06	62.93	61.61
	Howrah	Alipore Jail	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.08	1.62	60.91	61.61
		Barrackpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.54	1.86	57.85	61.61
		Dum-Dum	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.14	1.65	64.53	61.61
		Barasat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.87	1.84	71.22	61.61
		Buseerhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.24	2.01	55.38	61.61
		Mohesreka (Ooloberiah.)	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.50	1.27	57.38	61.61
	Hooghly	Serampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.17	1.74	63.89	61.61
		Hooghly	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.82	1.70	59.68	61.61
		Jehanabad	.....	.....	.....	.....	.....	.....	.....	0.27	1	0.27	3.15	65.63	61.61
	Burdwan	Culina	.....	.....	.....	.....	.....	.....	.....	0.08	1	0.08	1.54	57.72	61.61
		Burdwan	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.27	2.32	63.42	61.61
		Cutwa	.....	.....	.....	.....	.....	.....	.....	0.22	1	0.22	1.48	54.72	61.61
		Ransegunge	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.87	1.16	68.54	61.61
	Bankoora	Monkur	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.86	?	65.59	61.61
		Bankoora	.....	.....	.....	.....	.....	.....	.....	0.32	1	0.32	2.45	74.94	61.61
		Bishnupore	.....	.....	.....	.....	.....	.....	.....	0.22	1	0.22	1.75	51.64	61.61
		Maliara	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.76	0.80	59.72	61.61
		Khatra	.....	.....	.....	.....	.....	.....	.....	0.45	1	0.45	1.99	58.00	61.61
		Indas	.....	.....	.....	.....	.....	.....	.....	0.27	1	0.27	1.52	52.16	61.61
	Beerbhoom	Kotalpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.30	?	40.83	61.61
		Anda	.....	.....	.....	.....	.....	.....	.....	0.27	1	0.27	1.80	41.90	61.61
		Gangajalghati	.....	.....	.....	.....	.....	.....	.....	0.45	1	0.45	1.25	28.10	61.61
		Raipore	.....	.....	.....	.....	.....	.....	.....	0.37	1	0.37	1.14	69.18	61.61
		Sonamukhi	.....	.....	.....	.....	.....	.....	.....	0.30	1	0.30	1.32	46.31	61.61
		Bh. Soory	.....	.....	.....	.....	.....	.....	.....	0.02	1	0.02	1.50	71.89	61.61
	Nuddea	Hetampore	.....	.....	.....	.....	.....	.....	.....	0.49	1	0.49	1.77	70.43	61.61
		Rampore Haut	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.69	1.47	71.67	61.61
		Bolpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.42	?	63.94	61.61
		Ranaghat	.....	.....	.....	.....	.....	.....	.....	0.16	1	0.16	1.23	55.19	61.61
		Kishnachur	.....	.....	.....	.....	.....	.....	.....	0.75	1	0.75	1.13	55.52	61.61
		Choodanga	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.08	2.71	61.40	61.61
	Khoolna	Meherpore	.....	.....	.....	.....	.....	.....	.....	0.24	1	0.24	1.74	2.62	61.44
		Kooshtea	.....	.....	.....	.....	.....	.....	.....	0.63	1	0.63	0.52	3.01	73.89
		Satkira	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.23	2.94	61.78	61.61
		Bagirhat	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.36	3.16	80.83	61.61
		Khoolna	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.36	3.17	53.31	61.61
		Jessore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.25	3.22	55.36	61.61
	Moorshedabad	Narail	.....	.....	.....	.....	.....	.....	.....	0.05	1	0.05	0.37	63.69	61.61
		Jessore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.75	3.43	65.03	61.61
		Jhenidah	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.33	3.89	69.02	61.61
		Magoorah	.....	.....	.....	.....	.....	.....	.....	0.33	1	0.33	0.54	57.54	61.61
		Bongong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.22	1.45	58.52	61.61
		Kandi	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.87	1.43	64.19	61.61
	Chittagong	Berhampore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.25	1.04	65.80	61.61
		Lalbagh	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.58	1.31	66.86	61.61
		Azimungo	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.60	1.16	70.94	61.61
		Jungpore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	1.11	1.16	62.40	61.61
		Lalgola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.45	?	?	61.61
		Akhrganj	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	2.40	136.70	61.61
EAST BENGAL.	Chittagong	Cox's Bazar	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	3.00	130.42	61.61
		Chittagong	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	122.37	61.61
		Kutubdia	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	118.66	61.61
		Satkanya	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	?	?	61.61
		Rangamati	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	3.17	106.51	61.61
		Ruma	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	3.68	89.76	61.61
	Hill Tracts.	Patuakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.15	2.70	85.44	61.61
		Perozapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.55	81.86	61.61
		Burrisal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.43	3.23	70.23	61.61
		Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	3.57	92.00	61.61
	Backergunge	Patuakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.15	2.70	85.44	61.61
		Perozapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.55	81.86	61.61
		Burrisal	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	2.43	3.23	70.23	61.61
		Bhola	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.40	3.57	92.00	61.61
		Patuakhally	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	0.15	2.70	85.44	61.61
		Perozapore	.....	.....	.....	.....	.....	.....	.....	Nil	Nil	Nil	2.55	81.86	61.61





Statement of Rainfall in Bengal for the week ending Friday (6 p.m.), the 29th of April 1887—*concl.*

Met. orological Division.	District.	Station.	RAINFALL.							TOTAL.		Total rainfall since 1st of month.	Average total rainfall from 1st of month.	Total rainfall since 18th May 1886.	Average rainfall from 15th May to date.
			Saturday, 23rd April.	Sunday, 24th April.	Monday, 25th April.	Tuesday, 26th April.	Wednesday, 27th April.	Thursday, 28th April.	Friday, 29th April.	Number of rainy days.	Rainfall week.				
NORTH BEHAR— <i>concluded.</i>	Saran	Gopalganj...	...	...	...	...	...	...	...	Nil	Nil	0.47	0.08	69.70	42.83
		Saran...	...	...	...	...	...	...	...	Nil	Nil	0.15	0.25	60.35	44.47
SOUTH BEHAR	Shahabad	Chhapra...	...	...	...	...	...	...	...	Nil	Nil	0.63	0.21	60.85	40.74
		Buxar...	...	...	...	...	...	...	...	Nil	Nil	0.53	0.16	51.02	39.08
		Dehri...	...	...	...	...	...	...	...	Nil	Nil	0.65	?	52.02	?
		Rhuboah...	...	...	...	...	...	...	...	Nil	Nil	0.65	0.09	53.93	41.82
		Sasseram...	...	...	...	...	...	...	...	Nil	Nil	1.21	0.12	55.53	41.11
		Arrah...	...	...	...	...	...	...	...	Nil	Nil	0.11	0.22	69.47	39.63
		Mohanias...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	28.30	?
	Gya	Aurangabad...	...	...	...	...	...	...	...	Nil	Nil	0.69	0.21	68.07	42.65
		Gya...	...	...	...	...	...	...	...	Nil	Nil	0.30	0.33	67.63	42.36
		Nowadah...	...	...	...	...	...	...	...	Nil	Nil	0.39	0.26	67.25	39.94
		Jehanabad...	...	...	...	...	...	...	...	Nil	Nil	0.64	0.12	65.76	39.82
		Arwal...	...	...	...	...	...	...	...	Nil	Nil	0.35	?	55.20	?
		Davidnagar...	...	...	...	...	...	...	...	Nil	Nil	0.20	?	54.61	?
		Sherghati...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	61.00	?
		Kajauli...	...	...	...	...	...	...	...	Nil	Nil	0.40	?	?	?
		Pakri Barawan...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	69.49	?
	Patna	Patna...	...	...	...	...	...	...	...	Nil	Nil	0.13	0.25	66.37	41.59
		Dinapore...	...	...	...	...	...	...	...	Nil	Nil	0.20	0.27	72.56	40.55
		Behar...	...	...	...	...	...	...	...	Nil	Nil	0.48	0.23	58.46	42.05
		Barh...	...	...	...	...	...	...	...	Nil	Nil	0.20	0.13	52.63	40.39
		Bickram...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	?	?
		Hilsa...	...	...	...	...	...	...	...	Nil	Nil	0.40	?	?	?
	Munghyr	Bagoosera...	...	...	...	...	...	...	...	Nil	Nil	0.62	0.36	53.08	40.24
		Munghyr...	...	...	...	...	...	...	...	Nil	Nil	1.26	0.38	68.67	40.24
		Jamu...	...	...	...	...	...	...	...	Nil	Nil	0.54	0.45	62.77	43.56
		Gopri...	...	...	...	...	...	...	...	Nil	Nil	0.65	?	55.66	?
		Sheikpura...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	63.86	?
	South Bhagulpore.	Bhagulpore...	...	...	...	...	...	...	...	Nil	Nil	0.97	0.75	60.72	47.65
		Bauka...	...	...	...	...	...	...	...	Nil	Nil	0.34	0.64	61.25	44.73
		Kolgong...	...	...	...	...	...	...	...	Nil	Nil	2.15	?	55.68	?
	Sonthal Pergunahs.	Rajmehal...	...	...	...	...	...	...	...	Nil	Nil	0.62	1.00	67.84	50.07
		Godda...	...	...	...	...	...	...	...	Nil	Nil	2.78	0.34	59.85	45.28
		Pakour...	...	...	...	...	...	...	...	Nil	Nil	1.04	0.39	67.47	61.44
		Nya Doonka...	...	...	...	...	...	...	...	Nil	Nil	0.77	0.96	73.44	55.55
		Deoknur...	...	...	...	...	...	...	...	Nil	Nil	1.34	0.88	63.09	61.72
		Jamara...	...	...	...	...	...	...	...	Nil	Nil	1.18	0.52	70.53	49.06
		Simra...	...	...	...	...	...	...	...	Nil	Nil	1.45	?	59.24	?
		Nanhat...	...	...	...	...	...	...	...	Nil	Nil	0.40	?	?	?
CHUTIA NAG PUR.	Hazaribagh	Pachamda (Girdi)...	...	...	...	...	...	...	...	Nil	Nil	0.02	0.49	61.88	48.91
		Hazaribagh...	...	...	...	...	...	...	...	Nil	Nil	0.27	0.34	59.07	49.37
		Semtagurh...	...	...	...	...	...	...	...	Nil	Nil	0.25	0.22	53.34	47.94
		Manudi Hills...	...	...	...	...	...	...	...	Nil	Nil	0.32	0.03	68.82	48.28
		Jhoomrah Hills...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	62.80	64.96
		Barhi...	...	...	...	...	...	...	...	Nil	Nil	1.80	?	71.38	?
		Chutra...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	69.76	?
		Kayagdeha...	...	...	...	...	...	...	...	Nil	Nil	0.32	?	61.82	?
		Kamghur...	...	...	...	...	...	...	...	Nil	Nil	0.02	?	55.61	?
	Lohardugga	Lohardugga...	...	...	...	...	...	...	...	Nil	Nil	0.21	?	61.40	?
		Kanchi...	...	...	...	...	...	...	...	Nil	Nil	0.66	0.64	54.91	51.67
		Painmow...	...	...	...	...	...	...	...	Nil	Nil	0.25	0.31	61.47	45.56
		Suli...	...	...	...	...	...	...	...	Nil	Nil	0.05	?	47.84	?
		Balumat...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	51.06	?
		Hosseinabad...	...	...	...	...	...	...	...	Nil	Nil	0.15	?	?	?
		Garwah...	...	...	...	...	...	...	...	Nil	Nil	Nil	?	64.48	?
	Singbhoom	Chyennasa...	...	...	...	...	...	...	...	0.02	1.02	0.19	0.71	44.11	54.85
		Chakradhar-pore...	...	...	...	...	...	...	...	Nil	Nil	0.18	?	57.73	?
		Ghatsilla...	...	...	...	...	...	...	...	Nil	Nil	1.25	?	58.13	?
		Baharagura...	...	...	...	...	...	...	...	0.15	0.13	1.63	?	49.35	?
	Manbhoom	Purulia...	...	...	...	...	...	...	...	Nil	Nil	0.92	0.82	47.12	57.25
		Gobindopore...	...	...	...	...	...	...	...	Nil	Nil	1.46	0.60	51.57	47.65
		Kaphunath-pore...	...	...	...	...	...	...	...	Nil	Nil	0.82	?	62.65	?
		Barabhoom...	...	...	...	...	...	...	...	0.20	0.20	2.51	?	40.47	?
		Jhalda...	...	...	...	...	...	...	...	Nil	Nil	?	?	?	?
		Chas...	...	...	...	...	...	...	...	Nil	Nil	1.30	?	61.26	?

*Explanation.*—Indicates that no rain has fallen. If the return for any day has not been received, the corresponding space is left blank. If any of the returns are wanting, the corresponding spaces in the total rainfall columns are left blank.

CALCUTTA, the 22nd April 1887.

# SUMMARY OF THE RAINFALL AND METEOROLOGICAL OBSERVATIONS TAKEN IN BENGAL FOR THE WEEK ENDING FRIDAY, THE 29TH OF APRIL 1887.

During the previous week a rapid increase in the intensity of the hot weather conditions had taken place in Bengal. A rapid fall of the barometer had also occurred, which had been greatest in the neighbourhood of the hills in North Bengal. In fact, at the commencement of the present week, pressure was comparatively low at many of the North Bengal stations, though perhaps the low pressure area could scarcely be called a distinct barometric depression. This low pressure area was apparently gradually filled up, and towards the close of the week under review pressure became comparatively low over parts of Western and Central Bengal, the band of low pressure still stretching towards North Bengal. This distribution of pressure has caused the wind system blowing over the province to be somewhat unusual. South-westerly winds have prevailed over practically the whole of Orissa and South-West Bengal, and even in parts of East Bengal, the prevailing wind direction for the whole of the week at Je-sore having been westerly, while even at Noakholly south-westerly winds were reported on every day of the week. In East Bengal winds have been generally south, in North Bengal south-east, and in B-har usually easterly, and finally in Chutia Nagpur winds have been westerly and south-westerly. Owing probably to the rapid increase in temperature which had taken place in the previous week, and to the high temperatures which obtained at the commencement of the present week, and which were giving unusually large differences of temperature, and perhaps also to the distribution of pressure above described, a very rapid increase in the strength of the southerly winds blowing at the head of the Bay took place, and particularly during the middle and towards the close of the week these winds were of most unusual force. This is shown by the fact that the wind velocity at Sagar Island for the whole week has averaged more than 20 miles an hour, while on the 23rd and 29th it averaged 23 miles an hour; also at Calcutta for the same days the wind velocity averaged 15 miles an hour, while at False Point and Gopalpore it averaged about 20 miles an hour. At the same time the moisture brought up by the strong sea winds commenced to give heavy rain over parts of North and East Bengal, and some districts of these divisions received copious rainfall towards the close of the week, while on the last day, owing to the slightly disturbed conditions above alluded to having passed towards Central Bengal, rain showers became rather frequent in parts of Central and South-West Bengal.

**Pressure.**—Variations during the week have been decidedly large. Following on the rapid fall of the barometer in the previous week there was a rapid increase, on the 23rd, generally amounting to from a tenth to a twentieth of an inch; a further considerable general rise took place on the 24th and 25th, but this was then succeeded by a fall which lasted till the close of the week, the fall being brisk on the 27th, when at some stations it almost equalled a tenth of an inch. Such rapid fluctuations as these always show that atmospheric conditions are unsettled, and that this was the case has been previously shown by the occurrence of heavy rainfall over parts of the province. Though the fluctuations of pressure during the week have thus been large, the variations of the mean pressure from the normal for the week are comparatively small, and the largest (trustworthy) variations are an excess of about two hundredths of an inch at False Point, Chittagong and Dacca. At most stations the variations of the mean pressure from the normal do not amount to more than a few thousandths of an inch.

**Temperature.**—The changes of temperature have not been so large during the present week as they were in the former one. At the commencement, usually, temperature was very high over the whole province, it then in many cases fell during the middle of the week, and rose again during the last two days. At other stations, particularly those in the western districts, temperature has risen steadily almost throughout the week. Generally speaking the mean temperature of the whole province for the week has been about one degree above the normal, but the distribution has been a little unequal; for while the temperature of South-West and East Bengal and of Chutia Nagpur has been about 2° above the normal, over the remainder of the province an almost normal temperature has prevailed. The excess temperature has again been more noticeable in the night or minimum temperatures than in the day temperatures. This can be seen in the table below, which gives the temperature data for eight representative stations, and in these cases, while the mean night temperature for the week has been 2° in excess of the normal, the day temperature has been only 0·3° in excess.

Table showing the excess or defect of the actual temperature from the normal for the week ending 29th April 1887.

	Normal mean minimum temperature for the week ending 29th April 1887.	Actual mean minimum temperature for the week ending 29th April 1887.	Variation of actual from normal.	Normal mean minimum temperature for the week ending 29th April 1887.	Actual mean minimum temperature for the week ending 29th April 1887.	Variation of actual from normal.	Normal mean daily temperature for the week ending 29th April 1887.	Actual mean daily temperature for the week ending 29th April 1887.	Variation of actual from normal.
Cuttack	102·0	101·7	—0·3	78·3	80·3	+2·0	90·1	90·9	+0·8
Calcutta	95·2	94·8	—0·4	76·5	78·5	+2·0	85·9	86·7	+0·8
Burdwan	100·4	101·7	+1·3	76·1	77·3	+1·2	88·3	89·5	+1·2
Dacca	92·4	94·2	+1·8	74·0	77·7	+3·7	83·2	86·0	+2·8
Purneah	97·9	95·8	—2·1	70·3	71·6	+1·3	81·1	83·7	+2·6
Bankipore	102·8	102·5	—0·3	73·8	73·3	—0·5	88·3	87·9	—0·4
Hazaribagh	89·4	101·5	+12·1	72·7	75·1	+2·4	86·1	88·3	+2·2
Darjeeling	60·5	61·1	+0·6	46·1	50·3	+4·2	53·3	55·7	+2·4

Some very high maximum temperatures have been reported during the week, and thus in Orissa, at Cuttack, maximum temperature was  $108.4^{\circ}$  on the 23rd; in South-West Bengal, at Ranigunge, on the 28th, temperature was  $109.1^{\circ}$ ; in South Behar, at Gya, on the 26th, it was  $107.6^{\circ}$ , and in Chutia Nagpur, at Ranchi, on the 28th, it was  $105^{\circ}$ . The highest maximum temperature registered at Calcutta during the week was  $101.9^{\circ}$  on the 23rd.

*Rainfall.*—Owing to the disturbed conditions above described, considerable amounts of rain have fallen in parts of North Bengal and in some of the districts in East Bengal during the greater part of the week, while on the 29th showers were reported in Central and South-West Bengal. The heaviest and most general rainfall has occurred in the districts near the hills in the north and east of the province. Thus the district of Rungpore reports an average fall of 4.74 inches, that of Julpigoree one of 3.12 inches, and the Darjeeling district a fall of 2.10 inches. Again, in the Mymensingh district there has been a general fall of 0.92 inch, and in the Dacca district a fall of 0.57 inch. The other localities which have received moderate amounts of rain are the districts of Midnapore, Bancoorah, Krishnagur, Farreedpore, Serajgunge and Rampore Bauleah. At some stations in North Bengal the falls have been particularly heavy, and thus at Kurigram in the Rungpore district 11.75 inches of rain fell during the week—6.65 inches falling on the 27th and 3.02 inches on the 28th, making a total of nearly ten inches of rain in two days. The following are also some heavy falls which have been reported:—On the 23rd instant, at Alipore Doar (Julpigoree district) 3 inches, at Meckligunge (Cooch Behar districts) 2.89 inches, and at Kalimpong (Darjeeling district) 1.92 inches; on the 25th at Buxa (Darjeeling Hills) 3.20 inches; on the 27th at Bhowanigunge (Rungpore district) 2.58 inches, at Ulipore (Rungpore district) 2.65 inches, at Dinhatta (Cooch Behar district) 2.64 inches, and at Matabhanga (Cooch Behar district) 2.15 inches, and on the 29th at Durgapore (Mymensingh district) 2.66 inches.

The following table gives the summary of the temperature and rainfall data of each of the seven meteorological divisions of the province for the week ending Friday, the 29th of April 1887:—

METEOROLOGICAL DIVISIONS.	TEMPERATURE.							RAINFALL.								
	Highest observed during week.	Lowest observed during week.	Averages for week.			Average mean of week above or below normal mean of week.	Of week.			Rainy days.			Since 1st of month.	Since 15th May 1886.		
			Of highest of each day.	Of lowest of each day.	Of mean for each day.		Average.	Normal average.	Variation.	Average number in week.	Normal average number in week.	Variation.				
Oriss.	108.4	72.8	91.9	79.5	85.7	0	0.07	0.36	-0.29	0.2	0.8	-0.6	0.57	1.32	63.48	50.97
South-West Bengal	109.1	70.0	100.2	77.8	89.0	+1.6	0.09	0.78	-0.69	0.3	1.5	-1.2	1.10	1.94	61.49	56.39
East Bengal	95.3	70.1	91.2	76.7	83.9	+2.2	0.30	1.44	-1.14	0.6	2.2	-1.6	1.27	3.71	88.43	82.18
North Bengal	102.4	68.5	93.7	73.5	83.6	-	1.50	0.91	+0.59	1.3	1.7	-0.4	2.55	2.24	82.56	73.21
North Bihar	104.5	63.4	97.9	72.5	85.2	-0.2	Nil	0.30	-0.36	0.0	0.7	-0.7	0.75	0.68	69.12	48.71
South Bihar	107.6	68.8	102.1	74.3	88.2	+0.1	Nil	0.12	-0.12	0.0	0.4	-0.4	0.75	0.40	65.47	43.76
Chutia Nagpur	105.0*	69.4*	101.7*	74.0*	87.9*	+2.2*	Nil	0.12	-0.12	0.0	0.4	-0.4	0.48	0.42	54.53	51.23

\* Chyebassa not included.

METEOROLOGICAL OFFICE, BENGAL;  
The 2nd April 1887.

JOHN ELIOT,  
Meteorological Reporter to the Govt. of Bengal.



**Results of the Thermometrical Observations taken at the Meteorological Office,  
Chowringhee, from 24th to 30th April 1887.**

MONTH.	Date.	TEMPERATURE.				Mean wet bulb.	HYGROMETRY.			Rain.
		Mean.	Maximum.	Range.	Minimum.		Vapour tension.	Dew point.	Humidity.	
1887.		°	°	°	°	°	Inches.	°	%	Inches.
April	24th	85.7	96.2	17.9	78.3	78.8	.893	75.8	72	Nil
"	25th	86.4	95.0	16.2	78.8	76.4	.776	71.6	61	"
"	26th	85.3	94.0	16.0	78.0	77.4	.833	73.7	68	"
"	27th	85.5	94.2	16.2	78.0	78.2	.868	74.9	71	"
"	28th	86.3	95.0	15.1	79.9	78.7	.880	75.4	70	"
"	29th	87.0	95.8	16.0	79.8	79.5	.908	76.3	71	"
"	30th	83.7	95.0	21.2	73.8	78.5	.906	76.3	78	0.15

The mean temperature of the seven days ... 85.7

The extreme variation of temperature ... 22.4

The maximum temperature ... 96.2

The mean relative humidity ... 70%

The total fall of rain from 24th to 30th April 1887 ... 0.15 Inch.

The mean temperature and humidity are obtained by applying to the mean of the 10h, 16h, and minimum readings a correction dependent on the range, and derived from the hourly observations at the Surveyor-General's Office, Chowringhee, in past years.

METEOROLOGICAL OFFICE, INDIA;

The 2nd May 1887.

JOHN ELIOT,

For Meteorological Reporter to the Govt. of India.

## MEMORANDUM.

DURING the week ending 16th April 1887, births and deaths were registered in the principal Municipalities in Bengal at the rates, respectively, of 18.5 and 26.7 per 1,000 of population, against 19.9 and 30.7 per 1,000, respectively, during the preceding week ending 9th April, indicating a considerable falling off in the registration of both the events, particularly of deaths.

2. The following Municipalities returned the highest proportions of births and deaths:—

Births.			Deaths.		
		Ratio per mille.			Ratio per mille.
Comillah	...	65.5	Naraingunge	...	95.2
Beauleah	...	57.8	Gya	...	52.6
Bali	...	38.6	Suburbs of Calcutta	...	49.4
Chittagong	...	37.6	Comillah	...	46.2
Durbhanga	...	30.7	Serampore	...	39.3
Naraingunge	...	29.0	Utterpara	...	37.7
			Durbhanga	...	29.9

3. The following table denotes that, as compared with the outcome of the preceding week, there was a diminution of mortality from cholera and fever, but no noticeable differences in the casualty-rates from the rest of the diseases—*vide* figures given below:—

					Ratio per mille during the weeks ending—	
					16th April 1887.	9th April 1887.
Cholera	...	...	...	...	9.4	11.2
Small-pox	...	...	...	...	2	5
Fever	...	...	...	...	7.9	9.5
Bowel-complaints	...	...	...	...	3.0	2.8
Injury	...	...	...	...	3	2
Other causes	...	...	...	...	5.9	6.5

4. Of the death-causes above named, cholera and the diseases coming under the head of "Other causes" caused the highest mortality in the following Municipalities, and the rest of them did not prove conspicuously fatal anywhere, excepting bowel-complaints, which appears to have prevailed with marked severity in the Utterpara town, where the death-rate stood at 28.3 per 1,000 of population:—

Cholera.			Other causes.		
		Ratio per mille.			Ratio per mille.
Naraingunge	...	70.4	Comillah	...	23.1
Suburbs of Calcutta	...	22.3	Naraingunge	...	16.6
Gya	...	19.8	Serampore	...	11.8
Serampore	...	15.7	Gya	...	11.6
Durbhanga	...	9.4	Puri	...	10.5
Puri	...	8.4			
Hughli	...	8.0			
Howrah	...	8.0			
Patna	...	7.5			
Dacca	...	5.2			
Monghyr	...	3.6			

5. The mortality referable to Sex, Class and Age is exhibited below:—

According to Sex.			According to Class.		According to Age.		
		Ratio per mille.		Ratio per mille.			Ratio per mille.
Males	...	26.9	Christians	...	26.1	Under 1 year	176.6
Females	...	26.3	Hindus	...	24.9	1 and under 5 years	41.7
Ratio of male deaths to every 100 female deaths	115		Mahomedans	...	30.9	5 " " 10 "	17.1
			Other classes	...	36.4	10 " " 15 "	10.0
						15 " " 20 "	25.1
						20 " " 30 "	19.2
						30 " " 40 "	16.9
						40 " " 50 "	18.8
						50 " " 60 "	21.8
						60 years and upwards	65.9

R. LIDDERDALE, M.D., Deputy Surgeon-General,

The 2nd May 1887.

Sanitary Commissioner for Bengal.

## MORTALITY ACCORDING TO—

## Disease.

## BIRTHS.

## POPULATION.

DISTRICTS.  
NAMES OF MUNICIPALITIES.

POPULATION.			DEATHS FROM —			RATIO PER 1,000 OF POPULATION PER ANNUM.										Ratio of deaths per 1,000 of population per annum in the previous week.		Deaths.		Ratio per 1,000 of population.		Sex.	Ratio of male deaths to every 100 female deaths.
NAMES OF MUNICIPALITIES.			NUMBER OF —			RATIO PER 1,000 OF POPULATION PER ANNUM.			DEATHS FROM —							Ratio of deaths per 1,000 of population per annum in the previous week.		Deaths.		Ratio per 1,000 of population.			

Special census of the Europeans in the Darjiling Municipality was recently taken, as the census of this section of the community, taken in February 1881, was not reliable owing to the Europeans being at a minimum in that month. The number of the natives here, as it was not necessary to re-census them. The ratios have consequently been calculated on the revised population under all heads in the above table, except "Age," the ratios under which have been omitted, inasmuch as the census of the Europeans to cannot be employed as a basis of calculation owing to the results of the census under this head not having been recorded under the authorized form of age classification.



[illegible]

R. LUDDERDALE, M.D., Deputy Surgeon-General,  
Sanitary Commissioner for Bengal.

OFFICE OF SANITARY COMMISSIONER FOR BENGAL,

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

## ORISSA COAST CANAL.

LENGTH OF CANAL OPEN, 91 MILES.

Statement showing Quantities of Goods carried during the month of March 1887.

No. of Boats or Rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
346	1. Grain ...	4,016	40	4,056	1,18,619	4,056	1,18,619	
	2. Cotton ...	.....	.....	.....	.....	.....	.....	
	3. Oilseeds ...	.....	.....	.....	.....	.....	.....	
34	4. Salt ...	1	286	287	16,432	287	16,432	
39	5. Piece goods ...	.....	26	26	12,400	26	12,400	
	6. Metal ...	.....	.....	.....	.....	.....	.....	
13	7. Building materials ...	59	27	86	1,777	27	1,625	
506	8. Miscellaneous ...	112	197	309	31,086	306	30,996	
20	9. Fuel ...	3	165	168	2,176	168	2,176	
raft	10. Timber ...	.....	9 c. ft.	9 c. ft.	30	9 c. ft.	30	
"	11. Bamboos ...	700 c. ft.	.....	700 "	33	700 "	33	
8 & rafts	12. Total ...	4,191 & 700 c. ft.	741 & 9 c. ft.	4,932 & 709 c. ft.	1,82,553	4,870 & 709 c. ft.	1,82,311	
10	13. Total of same month last year ...	.....	.....	2,245	81,179	2,245	81,179	
		Up.	Down.	Total.				Rs. A. P.
Total number of boats plying cargo ... No.		480	548	1,028	Total tollage of month— 24+25+26 ...			4,676 11 9
Total number of boats plying passenger ... No.		21	26	47	Total tollage of same month last year ...			2,396 3 3
Total registered tonnage, cargo ...		7,570	3,750	11,320	Memorandum of Tollage.			
Total registered tonnage, passenger ...		43	43	86				
Total mileage ...		1,88,973	78,435	267,408				
Estimated value of cargo Rs.		1,15,932	66,558	182,490	1. Balance not recovered on the 1st of the month ...			1,147 12 9
Number of passengers ...		111	103	214	2. Tollage per month ...			4,676 11 9
Rafts, bamboos... c. ft.		700	.....	700	3. Total ...			5,824 8 6
Rafts, bullahs ... "		.....	9	9	4. Amount paid into treasury during the month ...			5,692 9 6
Estimated value of rafts Rs.		33	30	63	5. Balance due at the end of the month ...			131 15 0
Tollage on boats ...		3,309-8-6	1,362-4-3	4,671-12-9				
Compounded tollage on boats Rs.		1-13-0	.....	1-13-0				
Tollage on rafts ...		2-12-0	0-6-0	3-2-0				
Tollage on boats per cubic foot Rs.		.....	.....	0-0-3				
Tollage on rafts per cubic foot Rs.		.....	.....	0-7-0				

CALCUTTA,  
3rd May 1887.C. W. I. HARRISON, Lieut.-Col., R. E.,  
Offg. Secretary to the Government of Bengal.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

## CALCUTTA AND EASTERN CANALS.

Statement showing Quantities of Goods carried during the month of March 1887.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.	
		Quantity—Tons.			Value.	Quantity.	Value.
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.
1,745	1. Grain ...	33,272	.....	33,272	23,37,720	33,272	23,37,720
2	2. Cotton ...	64	.....	64	32,400	64	32,400
32	3. Oilseeds ...	277	14	291	37,976	291	37,976
442	4. Salt ...	540	6,940	7,480	6,28,278	7,480	6,28,278
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....
16	6. Metal ...	65	87	152	22,292	152	22,292
186	7. Building materials	5,865	102	5,967	80,608	5,967	80,608
1,747	8. Miscellaneous* ...	11,227	1,107	12,334	13,06,265	12,334	13,06,265
695	9. Fuel ...	13,483	1,638	15,121	1,28,865	15,121	1,28,865
1	10. Timber ...	1 No.	.....	1 No.	40	1 No.	40
.....	11. Bamboos ...	.....	.....	.....	.....	.....	.....
4,866	12. Total ... {	64,793 & 1 No.	{ 9,888 }	74,681 & 1 No.	45,74,444 {	74,681 & 1 No.	45,74,444
7,661	13. Total of same month last year ...	.....	.....	77,628	49,36,137	77,628	49,36,137

	Up.	Down.	Total.		Rs.
14. Total number of boats plying cargo ... No.	4,223	613	4,866	Total tollage of month— 24 + 25 + 26	45,397
14a. Ditto empty ditto ...	.....	.....	3,643	Total tollage of same month last year ..	43,379
15. Total number of boats plying passenger ... No.	155	4	159		
16. Total registered tonnage, cargo ...	1,84,377	27,354	2,11,731	Memorandum of Tollage.	
17. Total registered tonnage, passenger ...	9,925	350	10,275		
18. Ton-mileage ...	.....	.....	.....		Rs.
19. Estimated value of cargo Rs.	38,54,431	7,20,013	45,74,444	1. Balance not recovered on the 1st of the month	1,598
20. Number of passengers ...	839	20	859	2. Tollage per month	45,397
21. Rafts, bamboos c. ft.	.....	.....	.....	3. Total ...	46,995
22. Do, bullaha „	.....	.....	.....		
23. Estimated value of rafts ...	.....	.....	.....		
24. Tollage on boats Rs.	38,696-11-6	6,700-12-6	45,397-8-0	4. Amount paid into trea- sury during th- month	45,416
25. Compounded tollage on boats Rs.	.....	.....	.....	5. Balance due at the end of the month	1,579
26. Tollage on rafts „	.....	.....	.....		
27. Total tollage on boats per ton-mile ...	.....	.....	.....		
28. Total tollage on rafts per 100 cubic feet ...	.....	.....	.....		



## ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

## CALCUTTA AND EASTERN CANALS.

Number of tons or cwt.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.			PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	
		Up.	Down.	Total.	Rupees.	Tons.	
230	(a) Jute ...	4,947	.....	4,947	4,84,817	4,947	4,84,817
68	(b) Jaggery ...	502	26	528	44,346	528	44,346
16	(c) Sugar ..	85	.....	85	17,887	85	17,887
2	(d) Tobacco ...	.....	2	2	424	2	424
492	(e) Fish ...	203	1	204	57,201	204	57,201
5	(f) Hides ...	7	.....	7	1,500	7	1,500
79	(g) Poultry ...	20	.....	20	16,985	20	16,985
176	(h) Hay and straw ...	1,412	.....	1,412	29,658	1,412	29,658
33	(j) Oils ...	.....	336	336	37,640	336	37,640
40	(k) Earthenware ...	83	3	86	1,197	86	1,197
606	(m) Other miscellaneous	3,968	739	4,707	6,14,610	4,707	6,14,610
747	Total Miscellaneous...	11,227	1,107	12,334	13,06,265	12,334	13,06,265

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## SOUTH-WESTERN CIRCLE.

## TOLLY'S NULLAH.

Statement showing Quantities of Goods carried during the month of March 1887.

Number of boats or rafts.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
2,787	1. Grain ...	12,211	1	12,212	7,42,293	12,212	7,42,293	
7	2. Cotton ...	57	.....	57	28,800	57	28,800	
9	3. Oilseeds ...	62	43	105	14,012	105	14,012	
78	4. Salt ...	473	434	907	76,200	907	76,200	
.....	5. Piece-goods ...	.....	.....	.....	.....	.....	.....	
28	6. Metal ...	361	.....	361	37,968	361	37,968	
413	7. Building materials	15,376	.....	15,876	16,052	15,876	16,052	
1,249	8. Miscellaneous* ...	4,365	128	4,493	3,63,558	4,493	3,63,558	
284	9. Fuel ...	4,251	.....	4,251	37,028	4,251	37,028	
2 rafts	10. Timber ...	59 No.	34 No.	93 No.	3,720	93 No.	3,720	
6 „	11. Bamboos ...	620 „	.....	620 „	78	620 „	78	
4,855 & 8 rafts	12. Total ...	37,656 & 679 No.	606 & 34 No.	38,262 & 713 No. }	13,19,709	38,262 & 713 No. }	13,19,709	
5,626	13. Total of same month last year			33,423	9,86,888	33,423	9,86,888	
		Up.	Down.	Total.			Rs. A.	
14.	Total number of boats plying cargo No.	4,764	91	4,855	Total tollage of month— 24 + 25 + 26 ...		13,316 9	
14a.	Ditto empty ditto ...	.....	.....	1,269	Total tollage of same month last year ...		10,250 8	
15.	Total number of boats plying passenger No.	341	16	357				
16.	Total registered tonnage, cargo ...	64,248	2,544	66,792	Memorandum of Tollage.			
17.	Total registered tonnage, passenger ...	23,250	1,075	24,325				
18.	Ton-mileage ...	.....	.....	.....			Rs. A.	
19.	Estimated value of cargo Rs.	12,61,496	54,415	13 15,911	1. Balance not recovered on the 1st of the month ...		423 12	
20.	Number of passengers ...	2,250	71	2,321	2. Tollage per month ...		13,316 9	
21.	Rafts, bamboos c. ft.	620	.....	620	3. Total ...		13,740 8	
22.	Do., bullahs „	.....	„	.....	4. Amount paid into treasury during the month ...		13,357 7	
23.	Estimated value of rafts Rs.	2 438	1,360	3,798	5. Balance due at the end of the month ...		382 1	
24.	Tollage on boats „	12,668-8-6	627-15-0	13,296-7-6				
25.	Compounded tollage on boats Rs.	.....	„	.....				
26.	Tollage on rafts „	7-5-6	12-12-0	20-1-6				
27.	Total tollage on boats per ton-mile ...	.....	.....	.....				
28.	Total tollage on rafts per 100 cubic feet ...	.....	.....	.....				

## ARTICLES OF TRAFFIC INCLUDED IN ITEM 8 (MISCELLANEOUS).

## TOLLY'S NULLAH.

Number of tons or bags.	DESCRIPTION.	TOTAL GOVERNMENT AND PRIVATE.				PRIVATE.		REMARKS.
		Quantity—Tons.			Value.	Quantity.	Value.	
		Up.	Down.	Total.	Rupees.	Tons.	Rupees.	
4	(a) Jute ...	53	.....	53	5,250	53	5,250	
132	(b) Jaggery ...	832	3	835	70,203	835	70,203	
3	(c) Sugar ...	18	.....	18	3,750	18	3,750	
10	(d) Tobacco ...	49	3	52	11,600	52	11,600	
223	(e) Fish ...	55	1	56	15,623	56	15,623	
.....	(f) Hides ...	.....	.....	.....	.....	.....	.....	
2	(g) Poultry ...	.....	1	1	55	1	55	
303	(h) Hay and straw	748	.....	748	15,720	748	15,720	
57	(i) Oils ...	370	20	390	43,700	390	43,700	
137	(k) Earthenware	182	8	190	2,658	190	2,658	
378	(m) Other miscella- neous	2,058	92	2,150	1,94,999	2,150	1,94,999	
1,249	Total Miscellaneous ...	4,365	128	4,493	3,63,558	4,493	3,63,558	



**ABSTRACT FOR THE MONTH OF MARCH 1887 AS COMPARED WITH THE  
CORRESPONDING MONTH OF THE PREVIOUS YEAR.**

	TRAFFIC, 1886-87.			TRAFFIC, 1885-86.		
	During the month.		To end of the month.	During the month.		To end of the month.
	Rs.	A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Calcutta and Eastern Canals ...	45,397	8 0	3,63,802 8 0	43,379 0 6	3,78,865 10 3	
Tolly's Nullah ...	13,316	9 0	1,09,407 3 0	10,250 8 3	1,08,687 2 9	
Total ...	58,714	1 0	4,73,209 11 0	53,629 8 9	4,87,552 13 0	

Calcutta,  
The 3rd May 1887.

C. W. I. HARRISON, *Lieut-Col., R.E.,*  
*Offg. Secretary to the Government of Bengal.*

**CIRCULAR AND EASTERN CANALS.**

*Approximate return of traffic for the week ending Saturday, the 30th April 1887, compared  
with the corresponding week of the previous year.*

NATURE OF CARGO.			WEEK ENDING SATURDAY, THE 30TH APRIL 1887.			WEEK ENDING SATURDAY, THE 1ST MAY 1886.		
			Number of boats.	Weight of cargo.	Tollage.	Number of boats.	Weight of cargo.	Tollage.
			No.	Mds.	Rs.	No.	Mds.	Rs.
Rice and paddy ...	...	...	310	52,166	934	191	45,869	855
Jute ...	...	...	9	5,175	73	9	4,825	78
Firewood ...	...	...	45	18,382	272	116	67,025	938
Other articles ...	...	...	611	1,46,885	2,038	523	1,33,420	1,806
Total ...	...	...	975	2,22,608	3,317	839	2,51,139	3,577